Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL061522\
Data File : VL039304.D
Acq On : 15 Jun 2022 20:36
Operator : SY/AP
Sample : N3326-01 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV1

Quant Time: Jun 16 04:35:48 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	1326748	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.16	114	3605648	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.07	117	3391759	10.00	ppbv		-0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	2672324	9.53	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	42952	0.184	ppbv		94
3) Chlorodifluoromethane	2.99	51	37343	0.221	ppbv		98
4) Chloromethane	3.14	50	20389	0.235	ppbv		90
7) Chloroethane	3.55	64	2887	0.102	ppbv	#	81
9) Propene	3.02	41	117358	1.594	ppbv	#	77
10) Heptane	8.10	43	15291	0.089	ppbv	#	26
11) Trichlorofluoromethane	3.95	101	54241	0.257	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	5301	0.038	ppbv		98
13) Ethanol	3.60	45	8693	2.166	ppbv	#	100
15) Acetone	3.84	43	2125263	15.378	ppbv		98
16) 1,3-Butadiene	3.34	39	10810	0.146	ppbv	#	8
17) tert-Butyl alcohol	4.28	59	154939	1.445	ppbv		97
19) Isopropyl Alcohol	3.96	45	27838	0.429	ppbv	#	93
20) Methylene Chloride	4.34	84	109651	1.883	ppbv		96
21) Allyl Chloride	4.36	41	4190	0.045	ppbv	#	1
23) Vinyl Acetate	5.06	43	3475593	30.395	ppbv		99
25) Ethyl Acetate	5.67	43	150959	0.485	ppbv	#	83
26) Hexane	5.68	57	467968	3.419	ppbv	#	34
27) Carbon Disulfide	4.55	76	27639	0.195	ppbv	#	53
29) Chloroform	5.74	83	36506	0.158	ppbv		97
34) 2-Butanone	5.24	43	206884	1.056	ppbv		93
36) Benzene	6.88	78	40964	0.140	ppbv	#	91
39) 1,2-Dichloropropane	7.16	63	908126	7.799	ppbv	#	25
44) 2,2,4-Trimethylpentane	7.86	57	285409	0.557	ppbv	#	85
51) 2-Hexanone	10.12	43	144576	0.634	ppbv	#	100
52) Tetrachloroethene	11.21	164	422761	3.699	ppbv		94
53) Toluene	9.79	91	246418	0.731	ppbv		97
58) Ethyl Benzene	12.70	91	104532	0.224	ppbv		91
59) m/p-Xylene	12.95	91	353471	0.859	ppbv		95
60) o-Xylene	13.67	91	151177	0.391	ppbv		99
64) n-propylbenzene	15.54	120	8847	0.063	ppbv	#	1
66) Benzyl Chloride	16.94	91	2282	0.033	ppbv	#	67
71) 2-Chlorotoluene	15.55	91	30165	0.069	ppbv		93
72) 4-Ethyltoluene	15.82	105	87164	0.192	ppbv	#	78
73) 1,3,5-Trimethylbenzene	15.98	105	59739	0.146	ppbv		97
74) 1,2,4-Trimethylbenzene	16.75	105	310421	0.681	ppbv	#	64

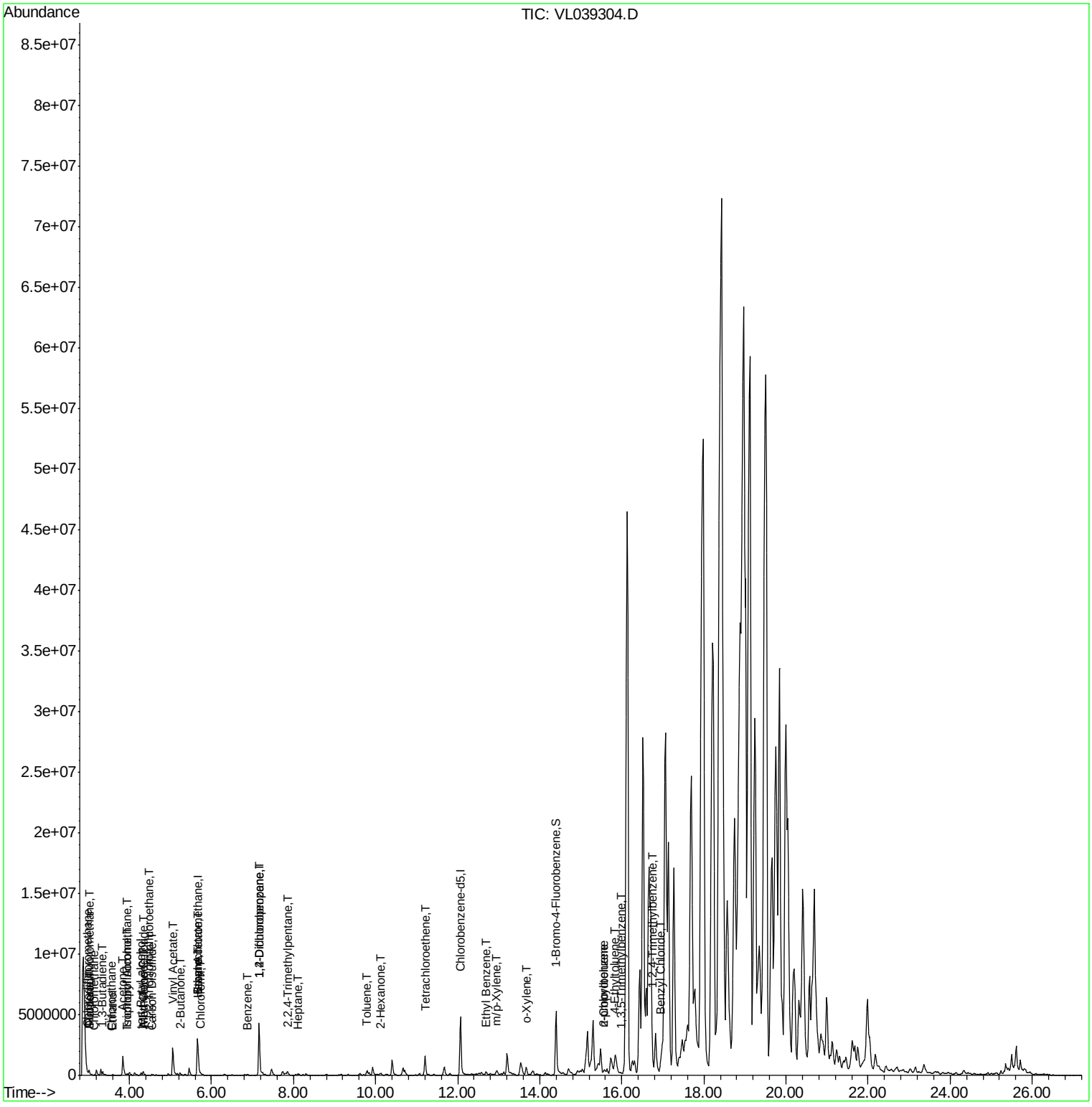
(#) = qualifier out of range (m) = manual integration (+) = signals summed

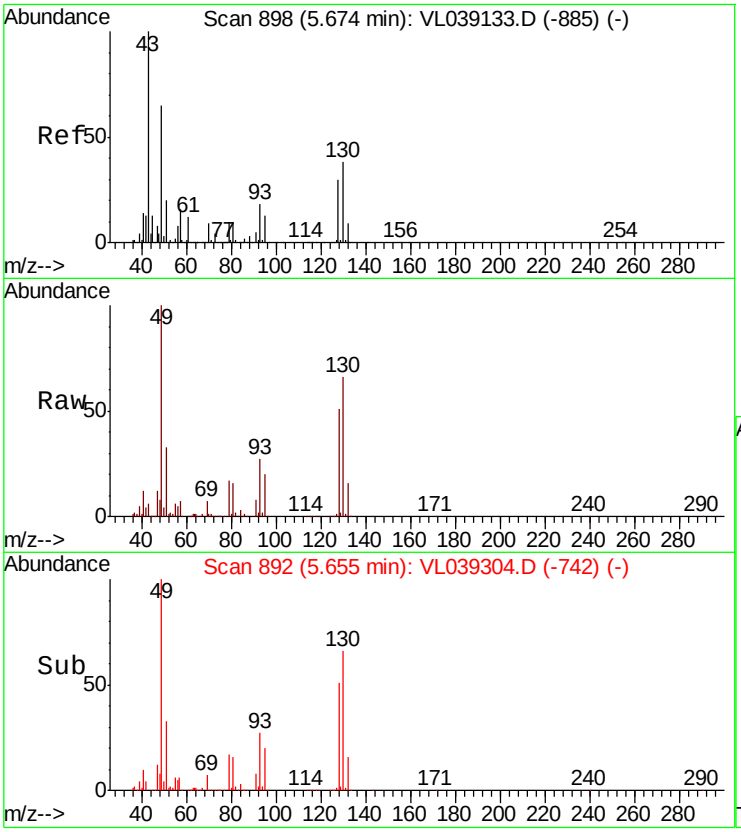
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL061522\
Data File : VL039304.D
Acq On : 15 Jun 2022 20:36
Operator : SY/AP
Sample : N3326-01 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Jun 16 04:35:48 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration



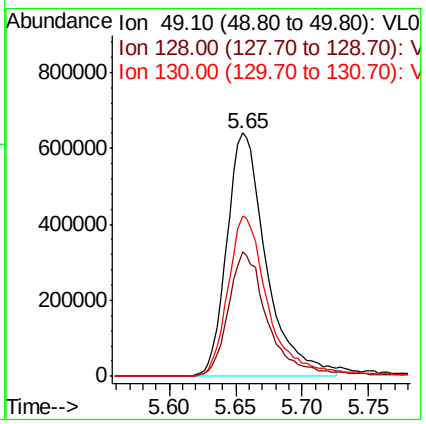


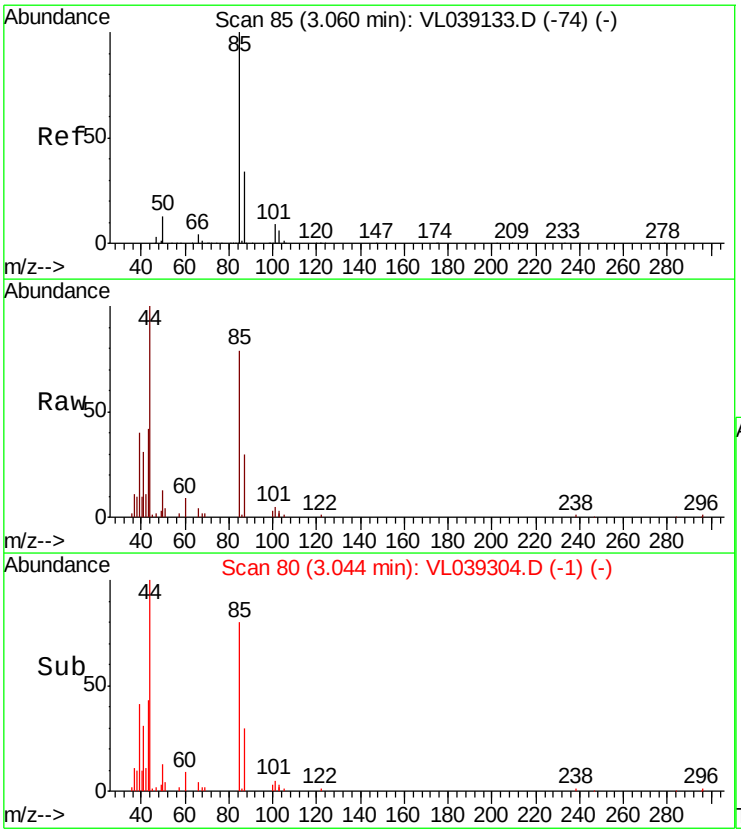
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 15 Jun 2022 20:36

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 49 Resp: 1326748

Ion	Ratio	Lower	Upper
49	100		
128	52.6	24.7	74.1
130	68.8	31.4	94.0

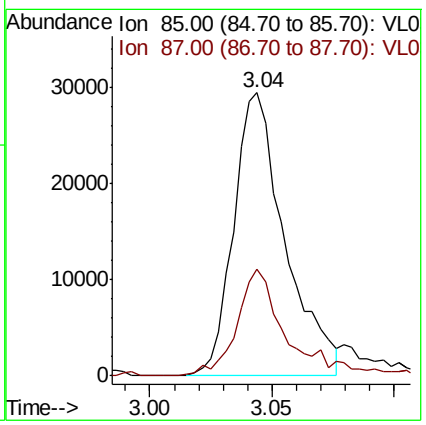


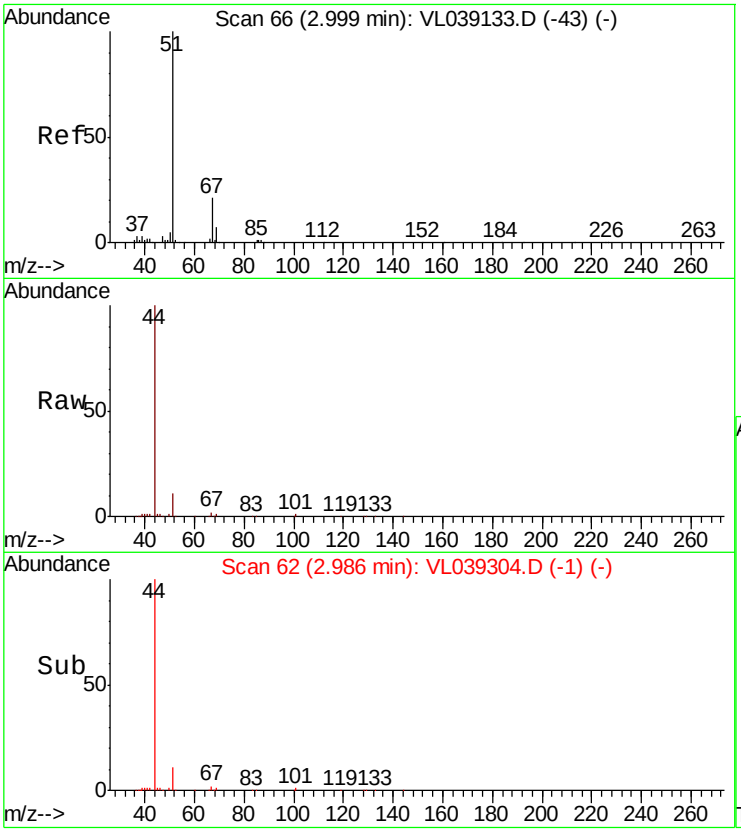


#2
Dichlorodifluoromethane
Concen: 0.184 ppbv
RT: 3.04 min Scan# 80
Delta R.T. -0.02 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

Tgt Ion: 85 Resp: 42952

Ion	Ratio	Lower	Upper
85	100		
87	37.0	26.9	40.3



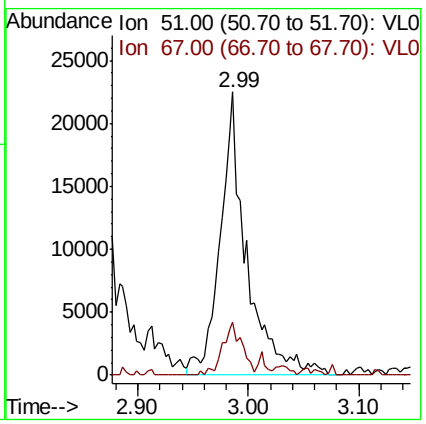


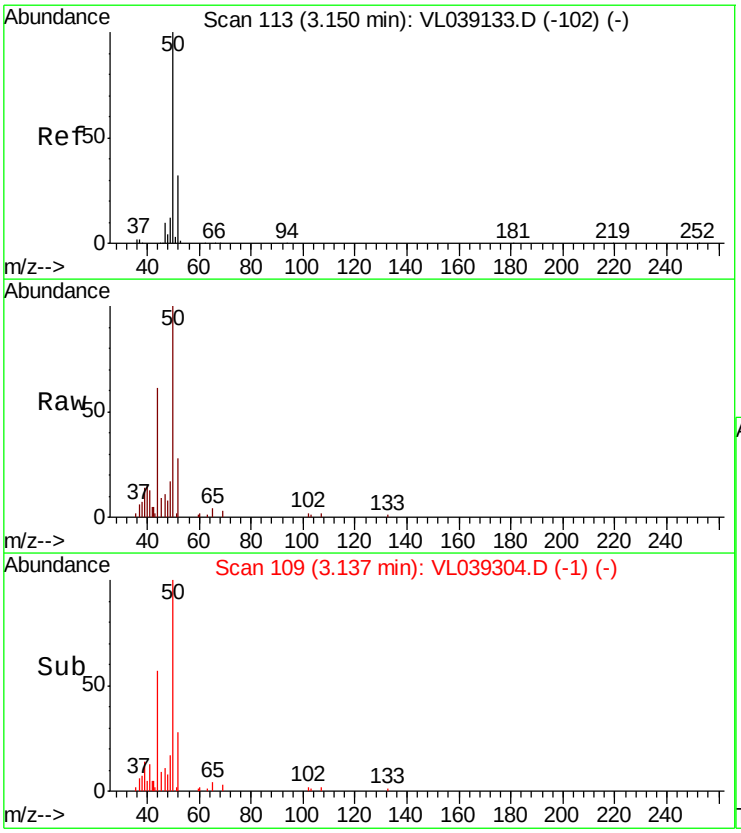
#3
Chlorodifluoromethane
Concen: 0.221 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 15 Jun 2022 20:36

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 51 Resp: 37343

Ion	Ratio	Lower	Upper
51	100		
67	19.6	16.2	24.4

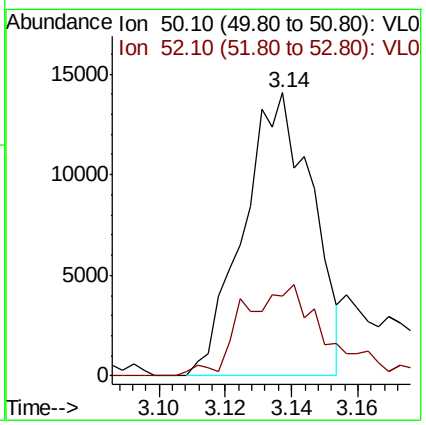


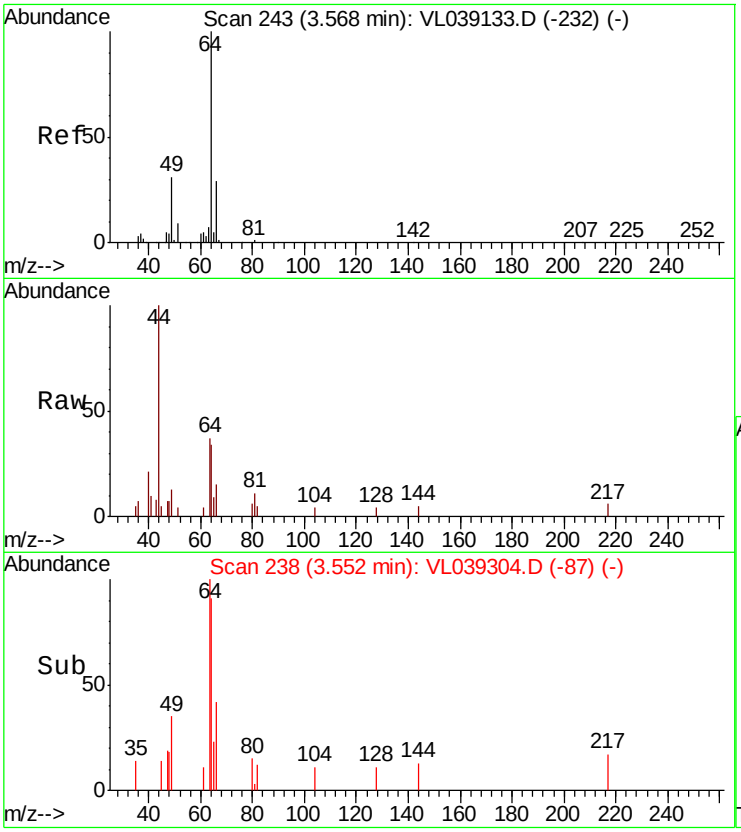


#4
Chloromethane
Concen: 0.235 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.01 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

Tgt Ion: 50 Resp: 20389

Ion	Ratio	Lower	Upper
50	100		
52	26.7	25.9	38.9



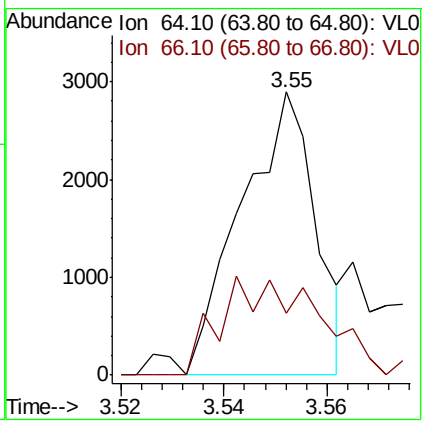


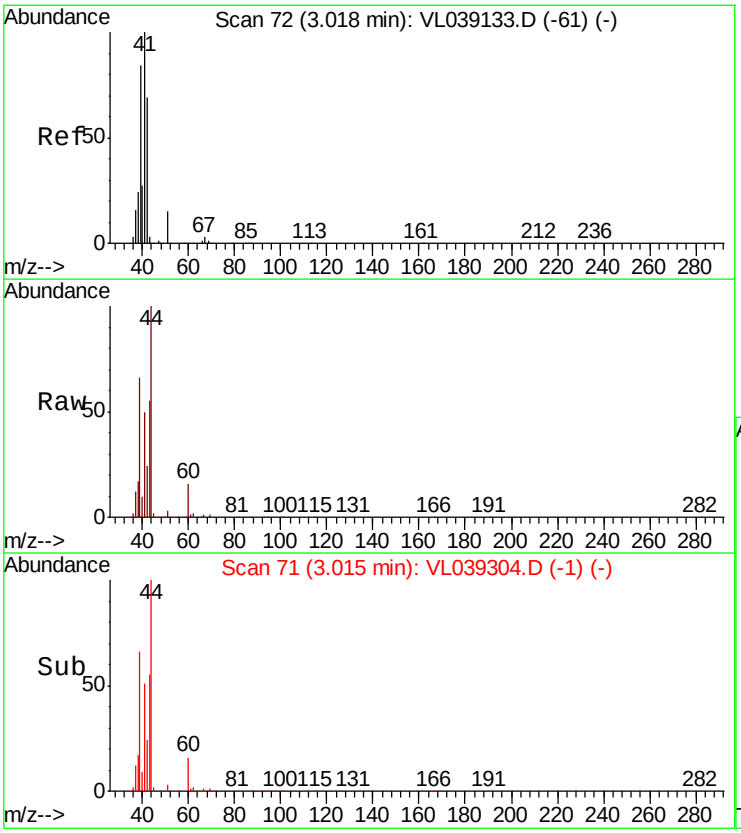
#7
Chloroethane
Concen: 0.102 ppbv
RT: 3.55
Delta R.T
Lab File:
Acq: 15 Jun 2022 20:36

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 64 Resp: 2887

Ion	Ratio	Lower	Upper
64	100		
66	19.4	23.6	35.4#

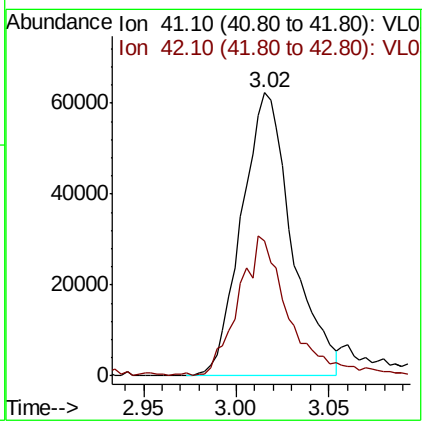


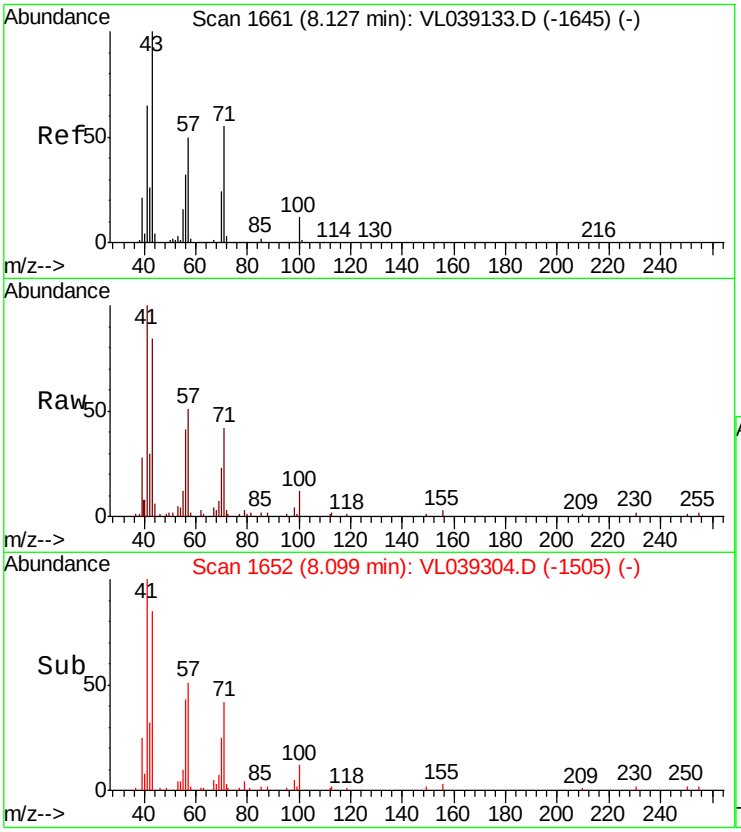


#9
Propene
Concen: 1.594 ppbv
RT: 3.02 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

Tgt Ion: 41 Resp: 117358

Ion	Ratio	Lower	Upper
41	100		
42	50.5	55.4	83.2#



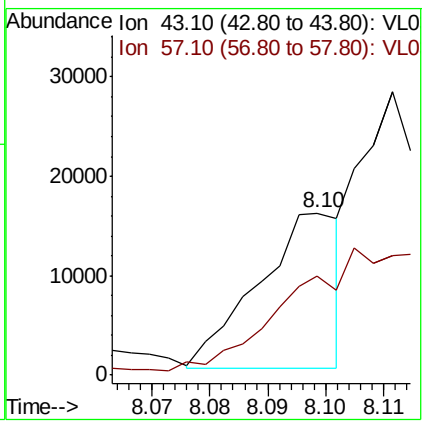


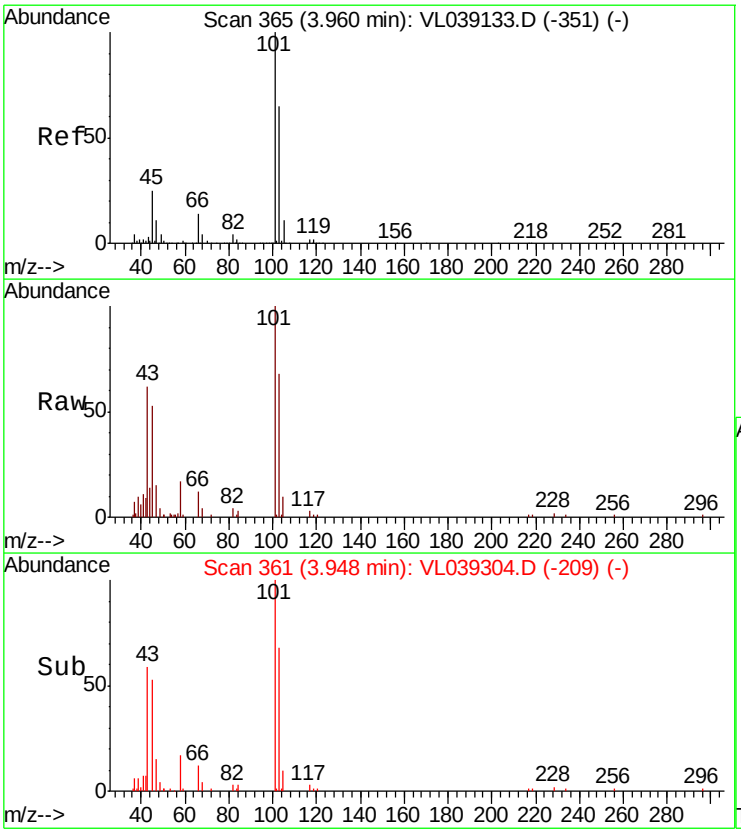
#10
Heptane
Concen: 0.089 ppbv
RT: 8.10
Delta R.T
Lab File:
Acq: 15 Jun 2022 20:36

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 15291

Ion	Ratio	Lower	Upper
43	100		
57	0.0	41.4	62.2#

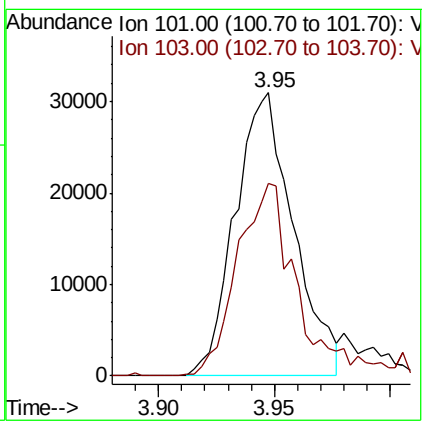


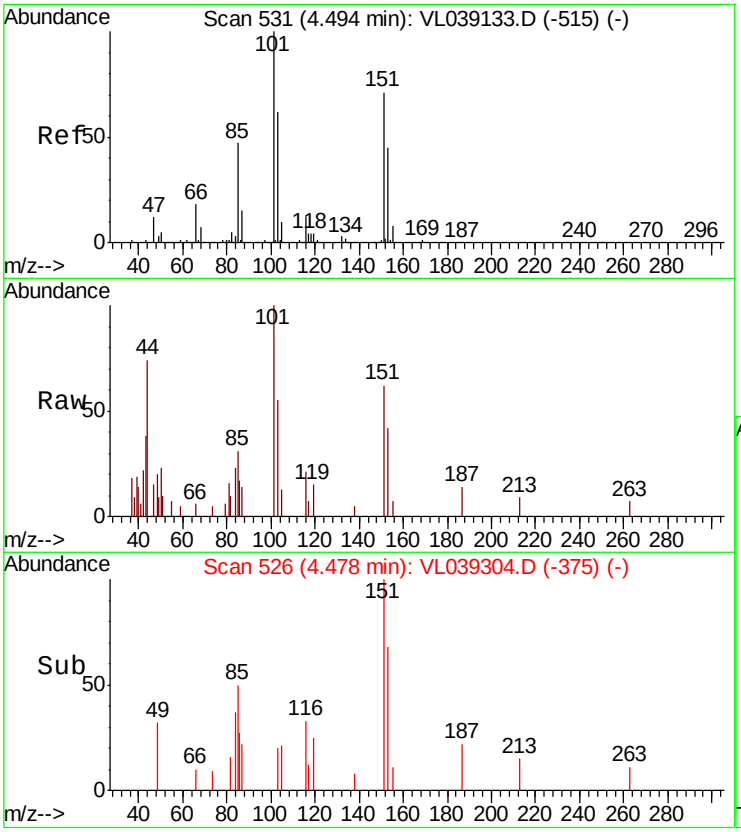


#11
Trichlorofluoromethane
Concen: 0.257 ppbv
RT: 3.95 min Scan# 361
Delta R.T. -0.01 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

Tgt Ion:101 Resp: 54241

Ion	Ratio	Lower	Upper
101	100		
103	67.3	51.7	77.5



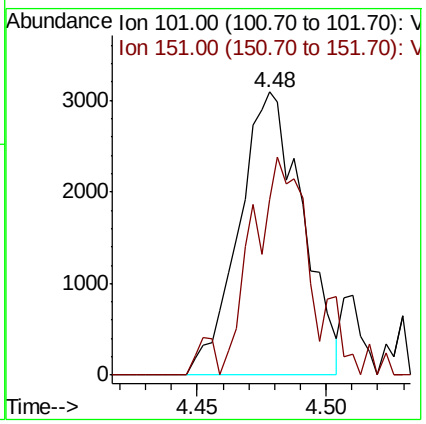


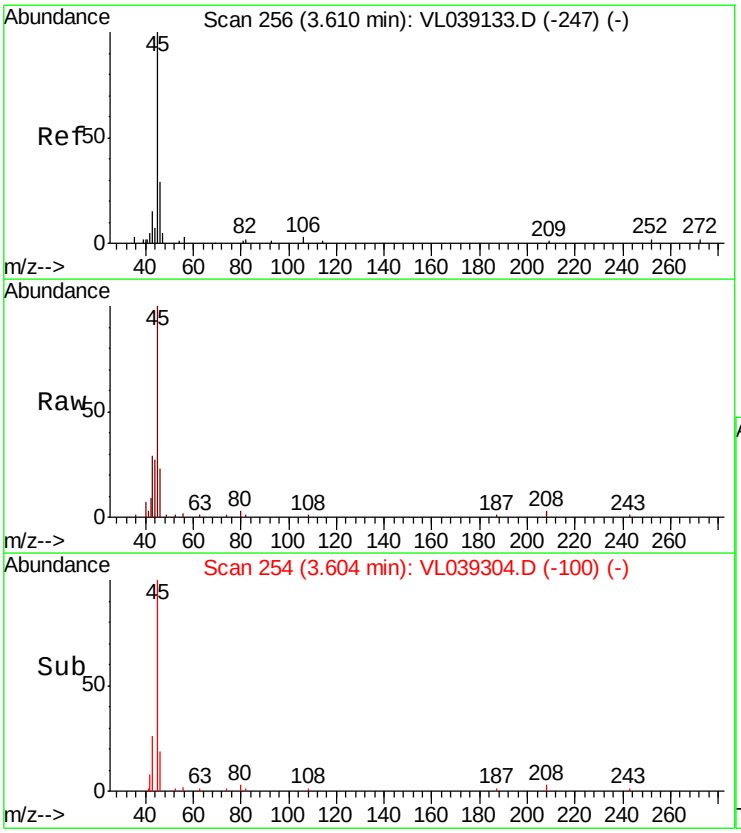
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.038 ppbv
RT: 4.48
Delta R.T
Lab File:
Acq: 15 Jun 2022 20:36

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:101 Resp: 5301

Ion	Ratio	Lower	Upper
101	100		
151	76.1	59.4	89.0

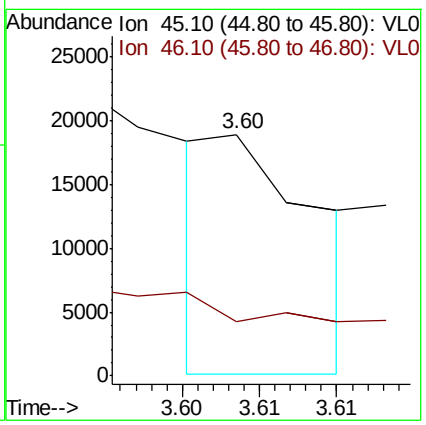


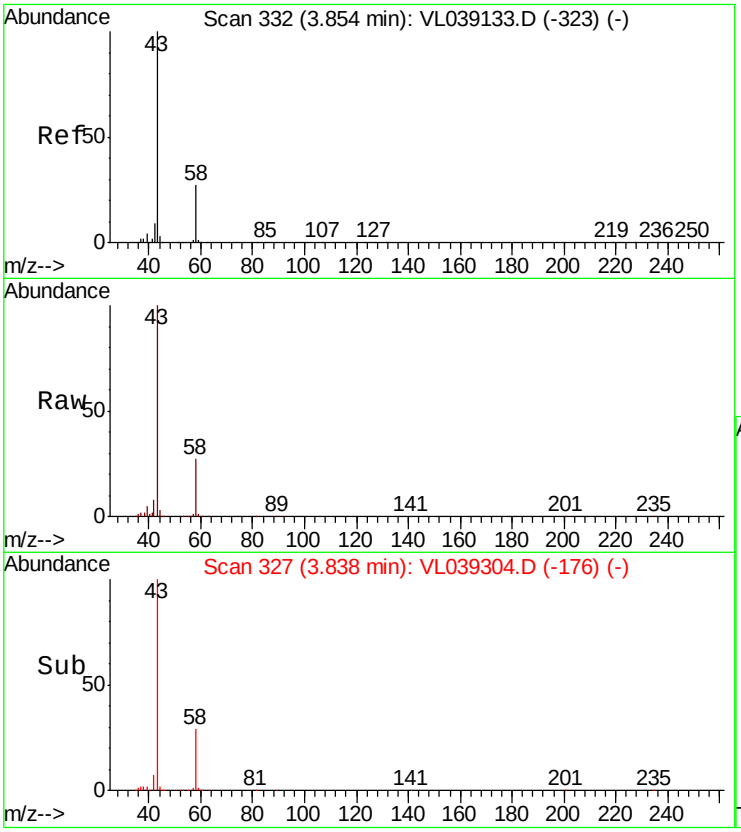


#13
Ethanol
Concen: 2.166 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.01 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

Tgt Ion: 45 Resp: 8693

Ion	Ratio	Lower	Upper
45	100		
46	0.0	0.0	0.0



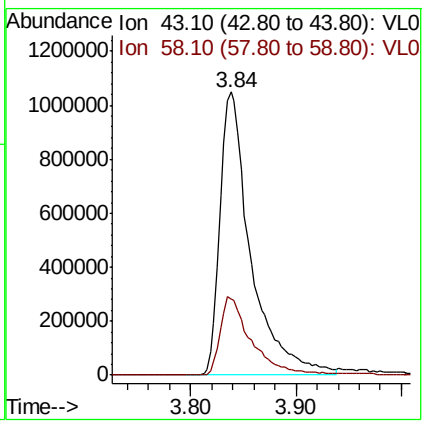


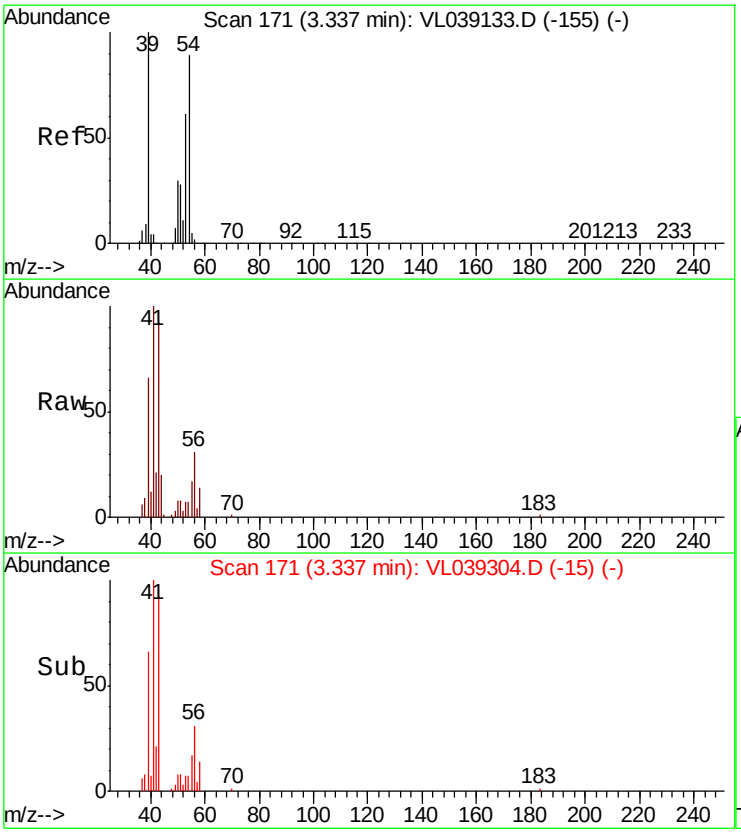
#15
Acetone
Concen: 15.378 ppbv
RT: 3.84
Delta R.T
Lab File:
Acq: 15 Jun 2022 20:36

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 2125263

Ion	Ratio	Lower	Upper
43	100		
58	28.9	22.5	33.7

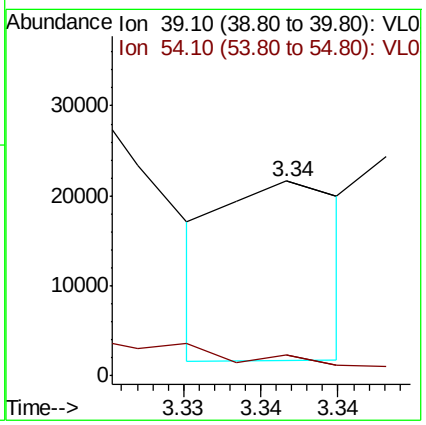


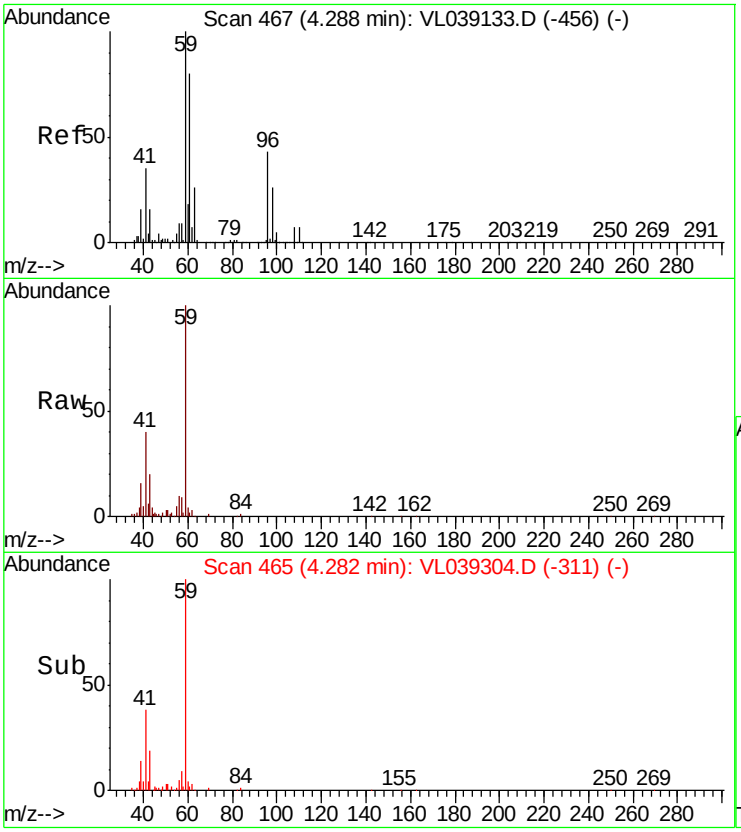


#16
1,3-Butadiene
Concen: 0.146 ppbv
RT: 3.34 min Scan# 171
Delta R.T. 0.00 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

Tgt Ion: 39 Resp: 10810

Ion	Ratio	Lower	Upper
39	100		
54	0.0	65.8	98.6#



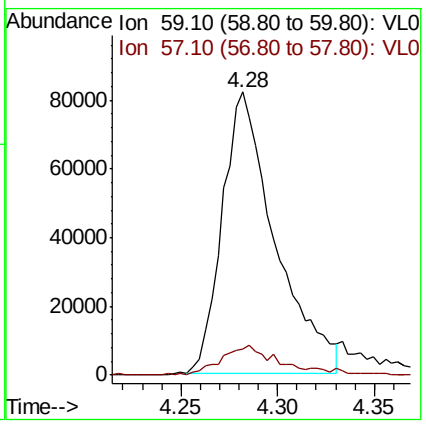


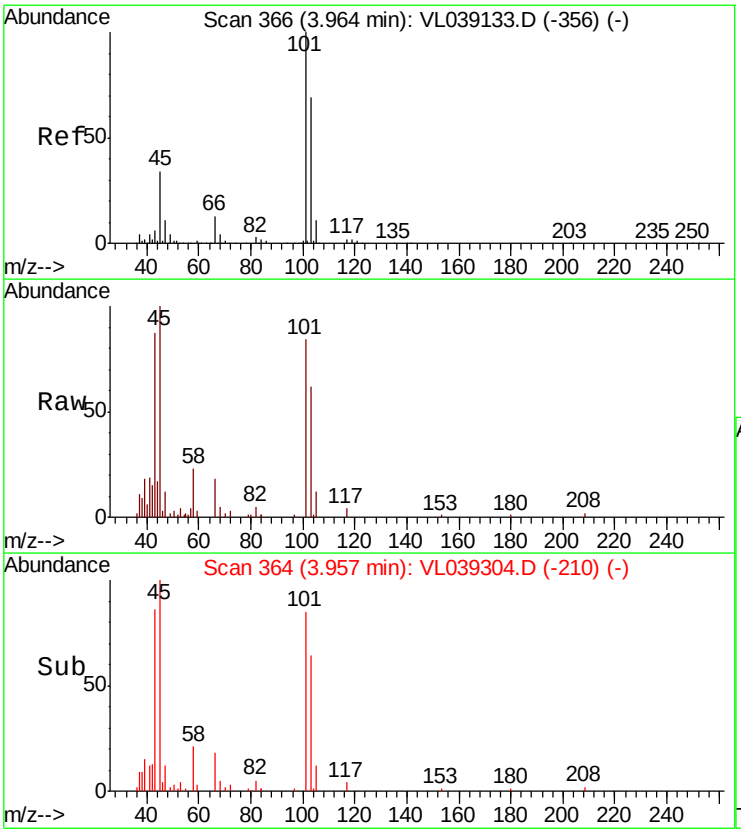
#17
tert-Butyl alcohol
Concen: 1.445 ppbv
RT: 4.28
Delta R.T
Lab File:
Acq: 15 Jun 2022 20:36

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 59 Resp: 154939

Ion	Ratio	Lower	Upper
59	100		
57	12.5	9.1	13.7

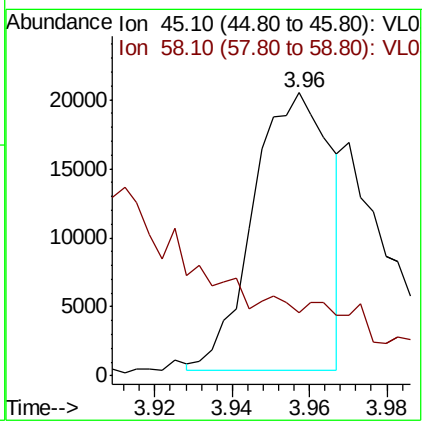


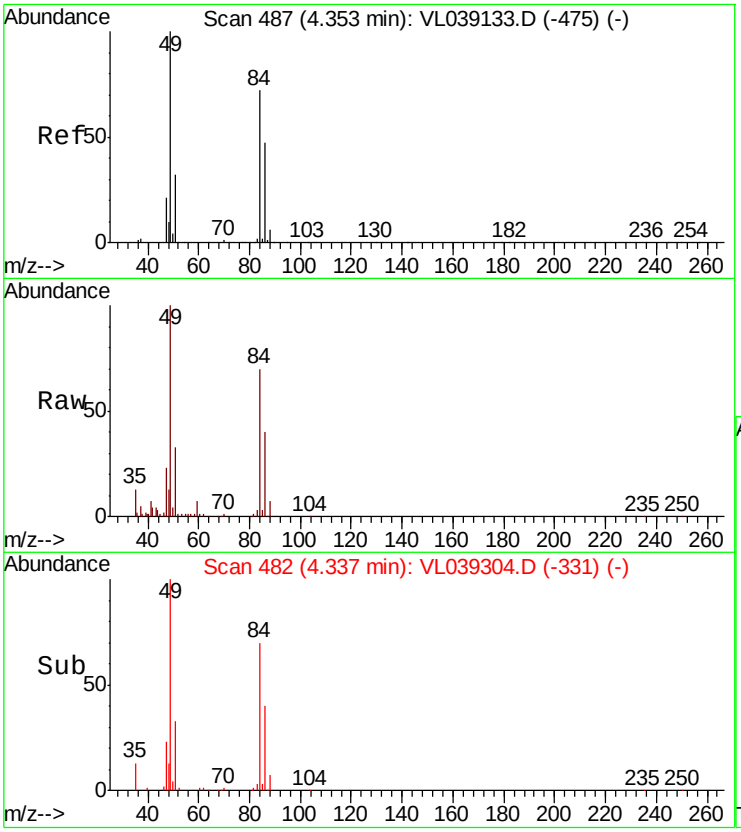


#19
Isopropyl Alcohol
Concen: 0.429 ppbv
RT: 3.96 min Scan# 364
Delta R.T. -0.01 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

Tgt Ion: 45 Resp: 27838

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.8	2.8#



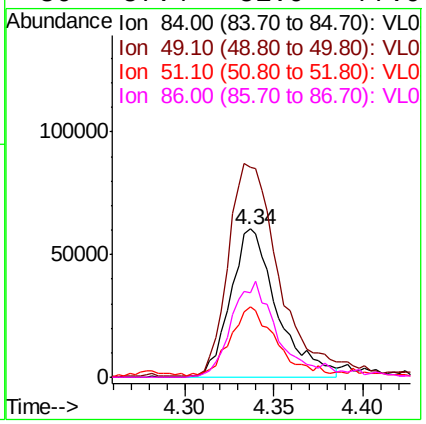


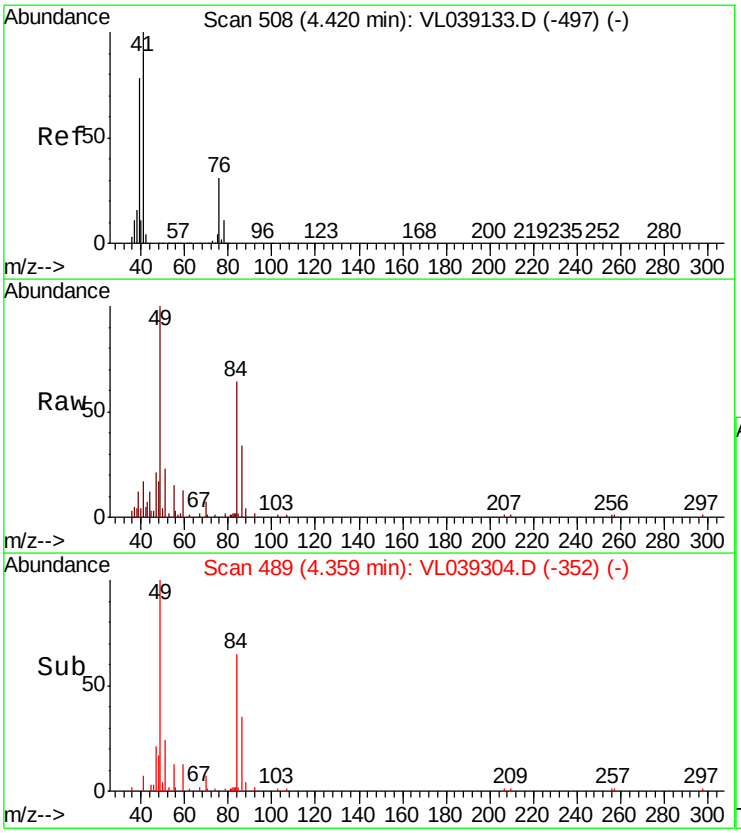
#20
Methylene Chloride
Concen: 1.883 ppbv
RT: 4.34
Delta R.T
Lab File:
Acq: 15 Jun 2022 20:36

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 84 Resp: 109651

Ion	Ratio	Lower	Upper
84	100		
49	141.0	111.1	166.7
51	46.1	35.3	52.9
86	57.4	51.9	77.9

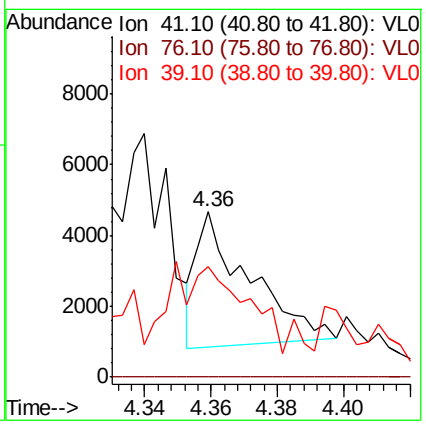


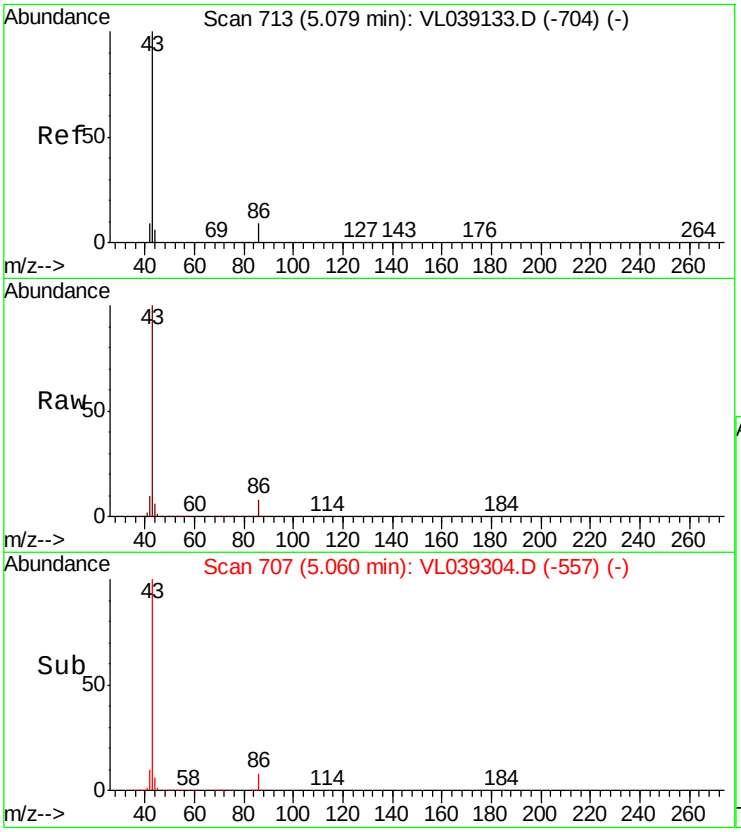


#21
Allyl Chloride
Concen: 0.045 ppbv
RT: 4.36 min Scan# 489
Delta R.T. -0.06 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

Tgt Ion: 41 Resp: 4190

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.2	36.2#
39	184.2	62.2	93.2#



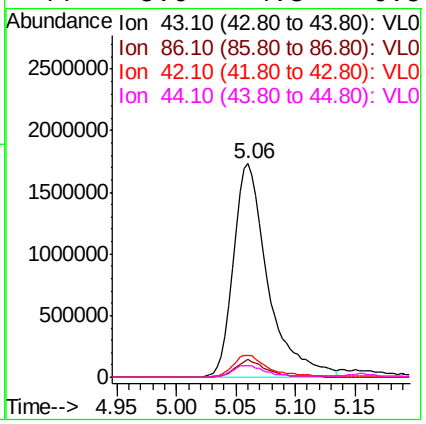


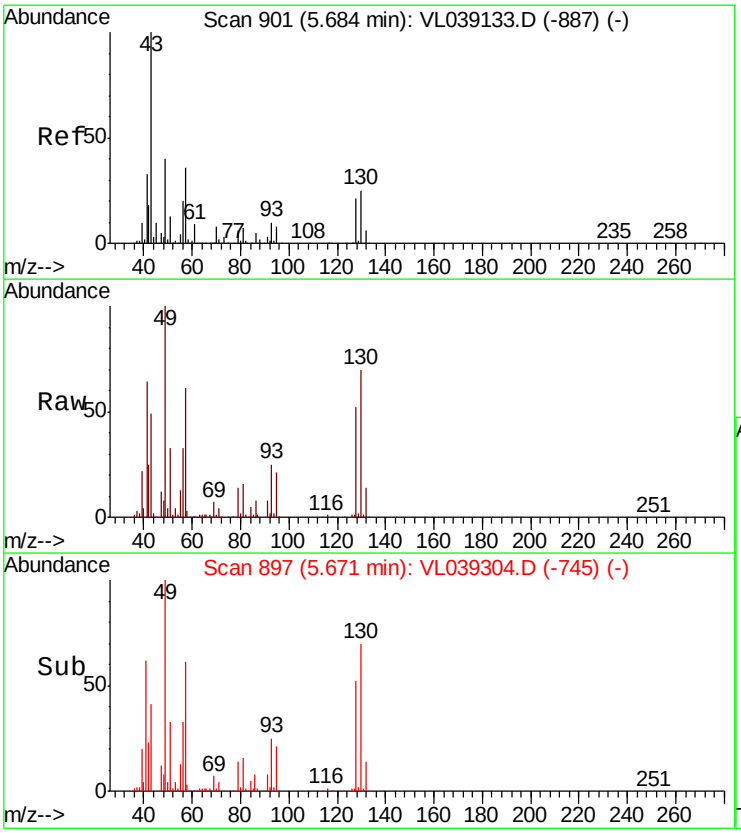
#23
Vinyl Acetate
Concen: 30.395 ppbv
RT: 5.06
Delta R.T
Lab File:
Acq: 15 Jun 2022 20:36

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 3475593

Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.0	9.0
42	10.4	8.2	12.4
44	5.6	4.3	6.5

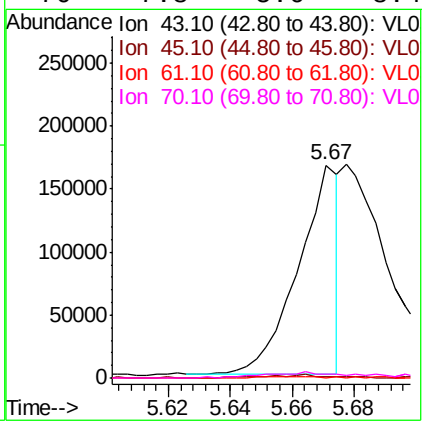


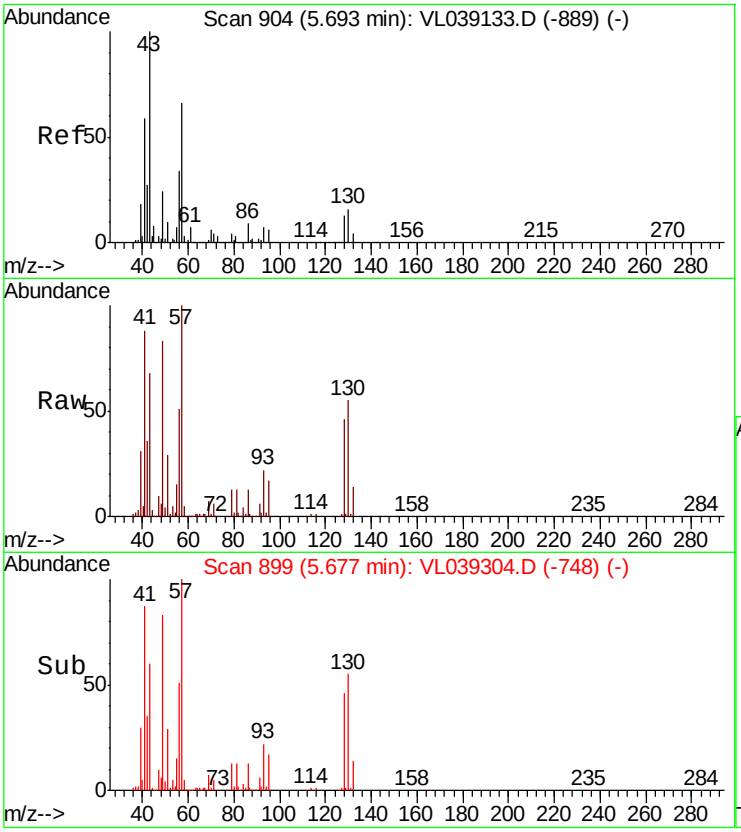


#25
Ethyl Acetate
Concen: 0.485 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

Tgt Ion: 43 Resp: 150959

Ion	Ratio	Lower	Upper
43	100		
45	3.1	8.2	12.2#
61	1.7	8.4	12.6#
70	7.8	5.6	8.4



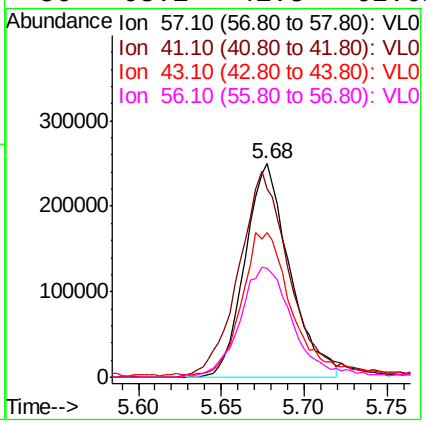


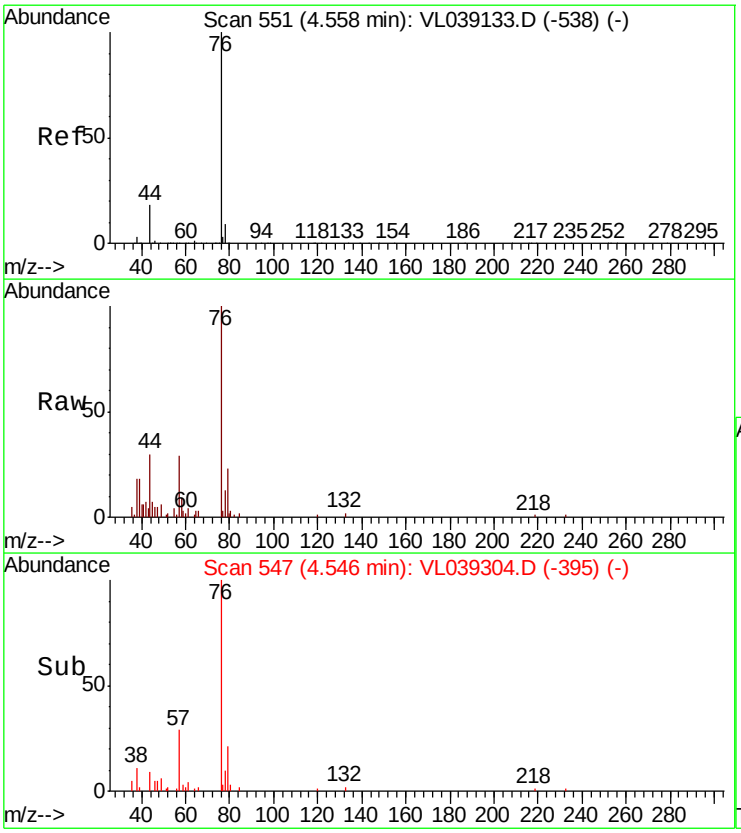
#26
Hexane
Concen: 3.419 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 15 Jun 2022 20:36

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 57 Resp: 467968

Ion	Ratio	Lower	Upper
57	100		
41	112.7	72.4	108.6#
43	78.3	187.0	280.6#
56	63.1	41.8	62.6#

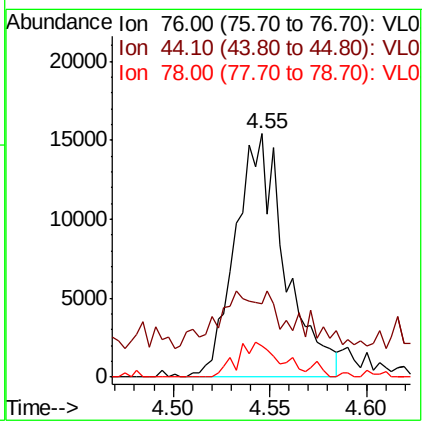


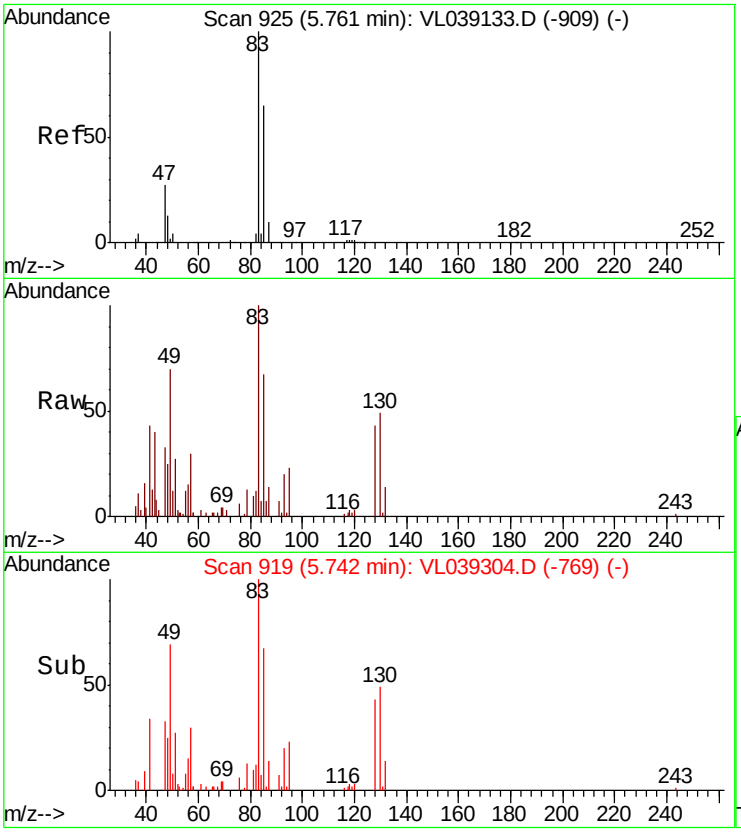


#27
Carbon Disulfide
Concen: 0.195 ppbv
RT: 4.55 min Scan# 547
Delta R.T. -0.01 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

Tgt Ion: 76 Resp: 27639

Ion	Ratio	Lower	Upper
76	100		
44	47.4	14.4	21.6#
78	13.7	7.7	11.5#



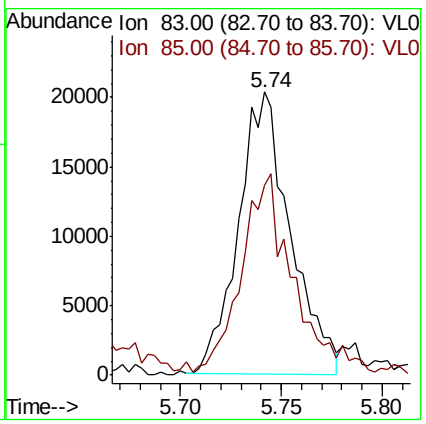


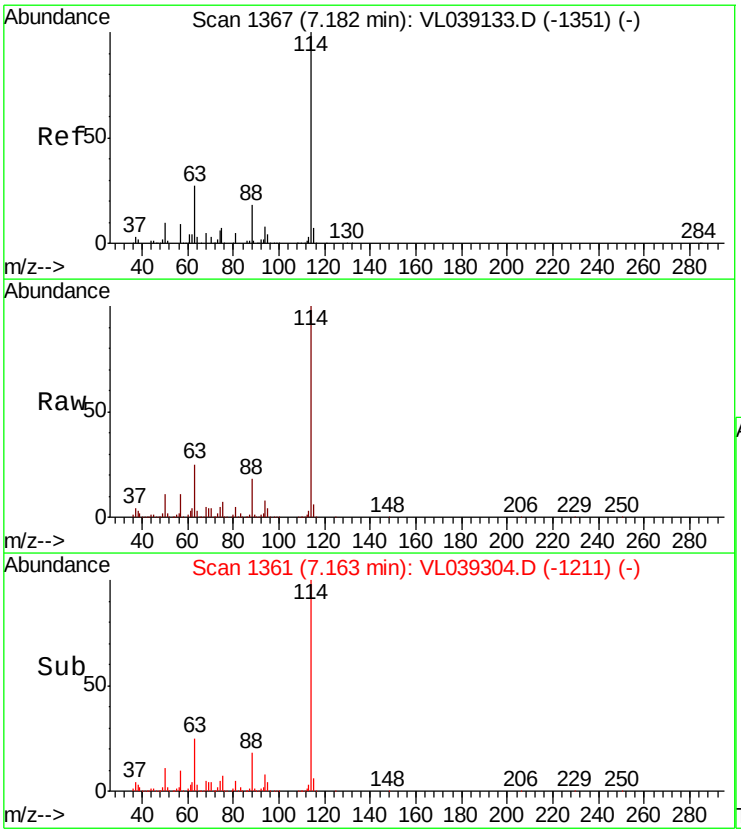
#29
Chloroform
Concen: 0.158 ppbv
RT: 5.74
Delta R.T
Lab File:
Acq: 15 Jun 2022 20:36

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 83 Resp: 36506

Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.4	78.6

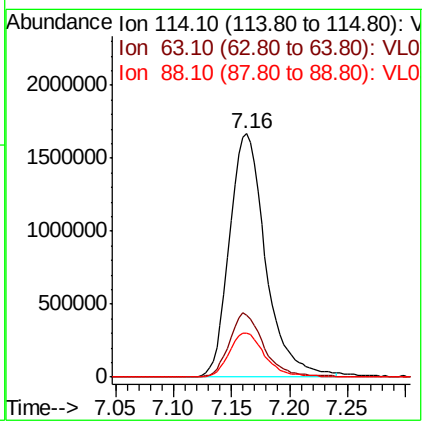


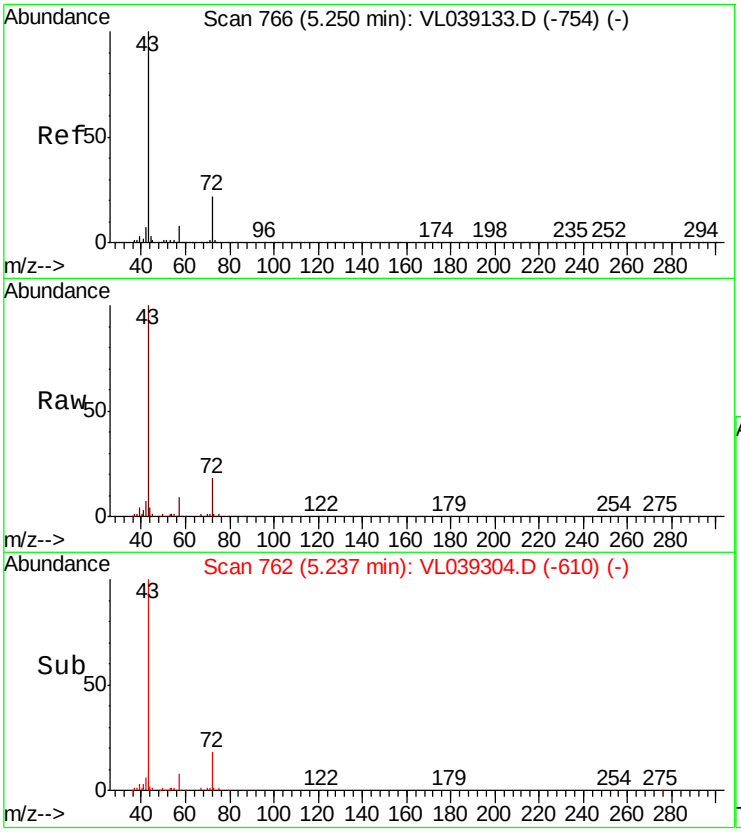


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.02 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

Tgt Ion:114 Resp: 3605648

Ion	Ratio	Lower	Upper
114	100		
63	25.6	21.7	32.5
88	18.2	14.8	22.2



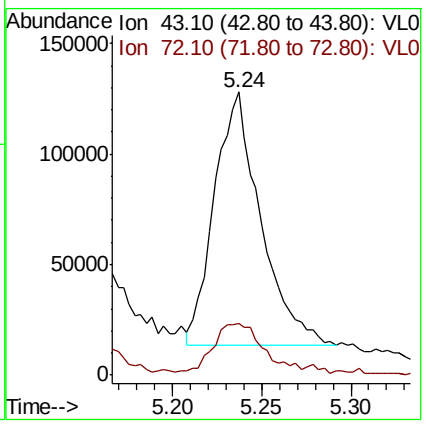


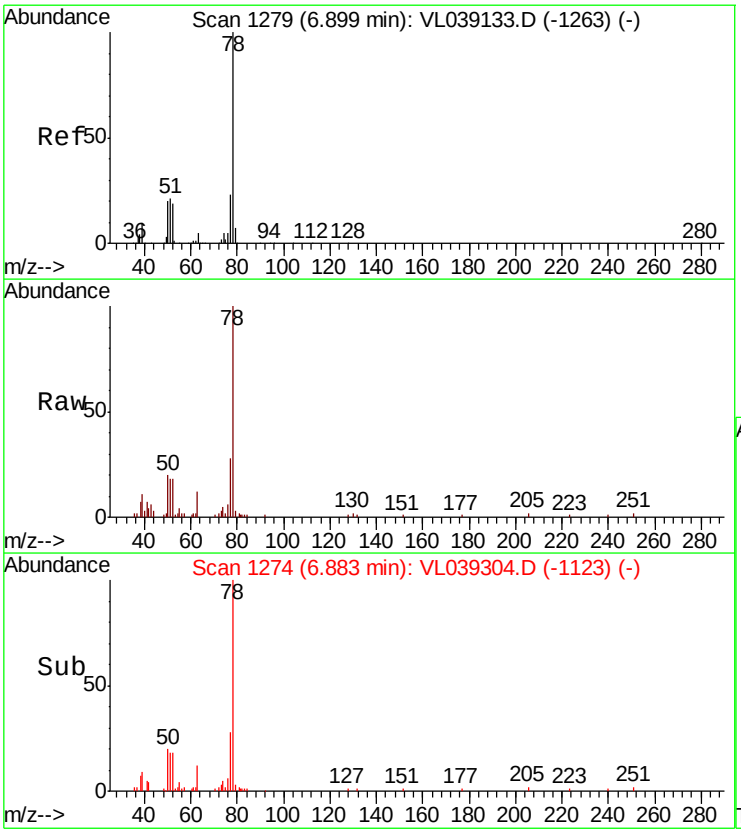
#34
2-Butanone
Concen: 1.056 ppbv
RT: 5.24
Delta R.T
Lab File:
Acq: 15 Jun 2022 20:36

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 206884

Ion	Ratio	Lower	Upper
43	100		
72	25.9	18.2	27.2

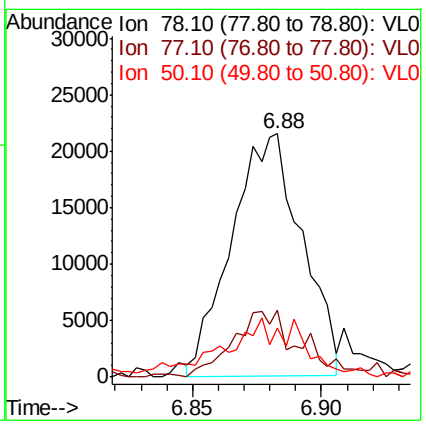


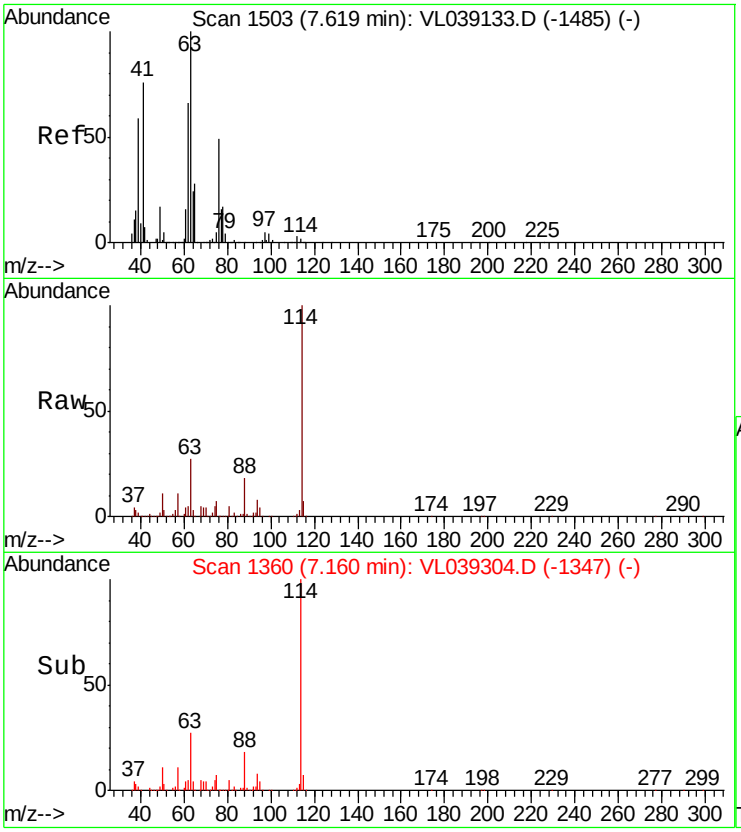


#36
Benzene
Concen: 0.140 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.02 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

Tgt Ion: 78 Resp: 40964

Ion	Ratio	Lower	Upper
78	100		
77	29.1	18.6	27.8#
50	17.6	15.8	23.8



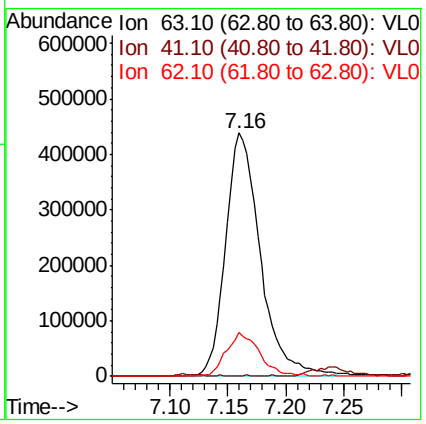


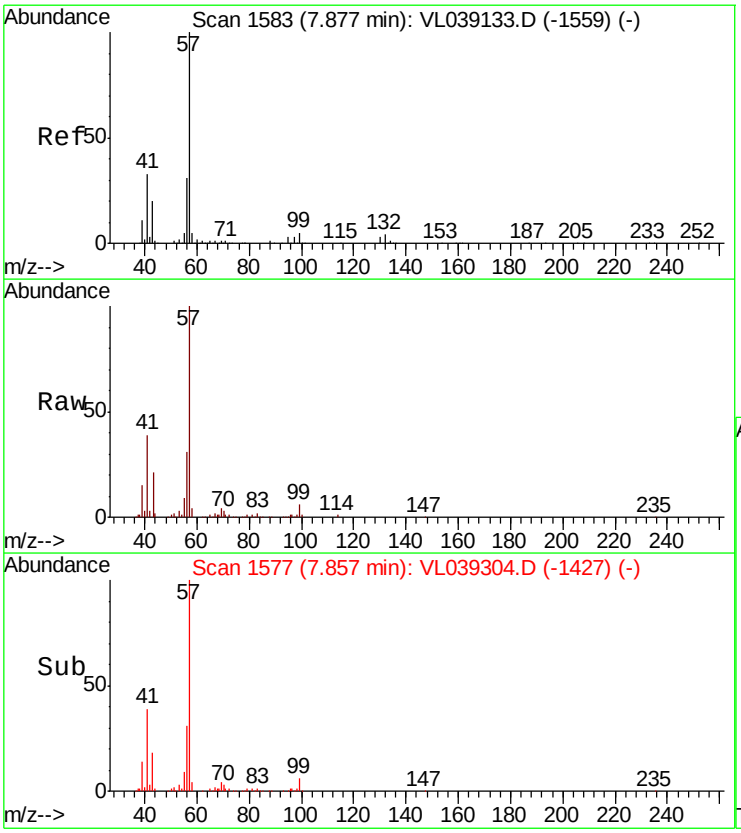
#39
1,2-Dichloropropane
Concen: 7.799 ppbv
RT: 7.16
Delta R.T
Lab File:
Acq: 15 Jun 2022 20:36

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 63 Resp: 908126

Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.8	91.2#
62	18.2	52.9	79.3#

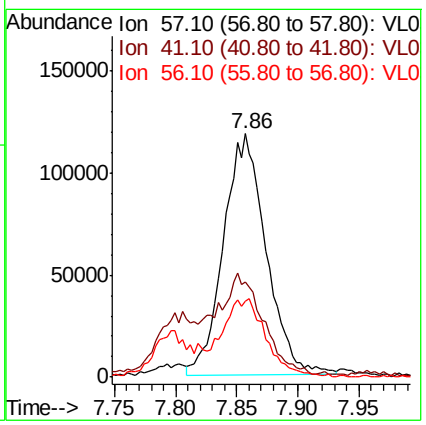


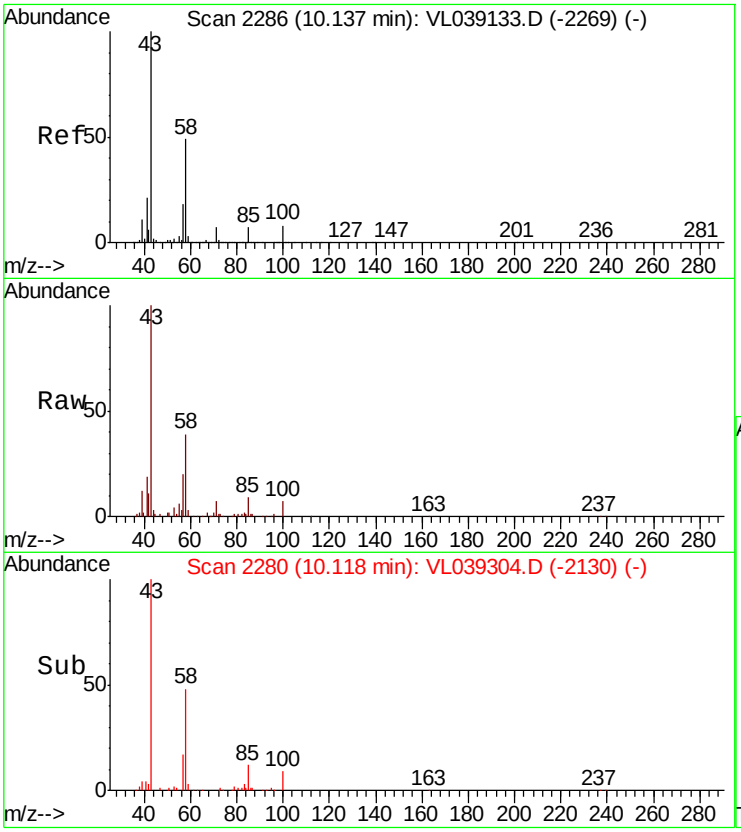


#44
2,2,4-Trimethylpentane
Concen: 0.557 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. -0.02 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

Tgt Ion: 57 Resp: 285409

Ion	Ratio	Lower	Upper
57	100		
41	47.2	26.2	39.4#
56	33.3	24.7	37.1



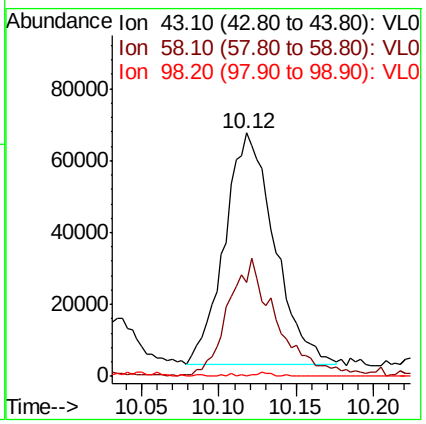


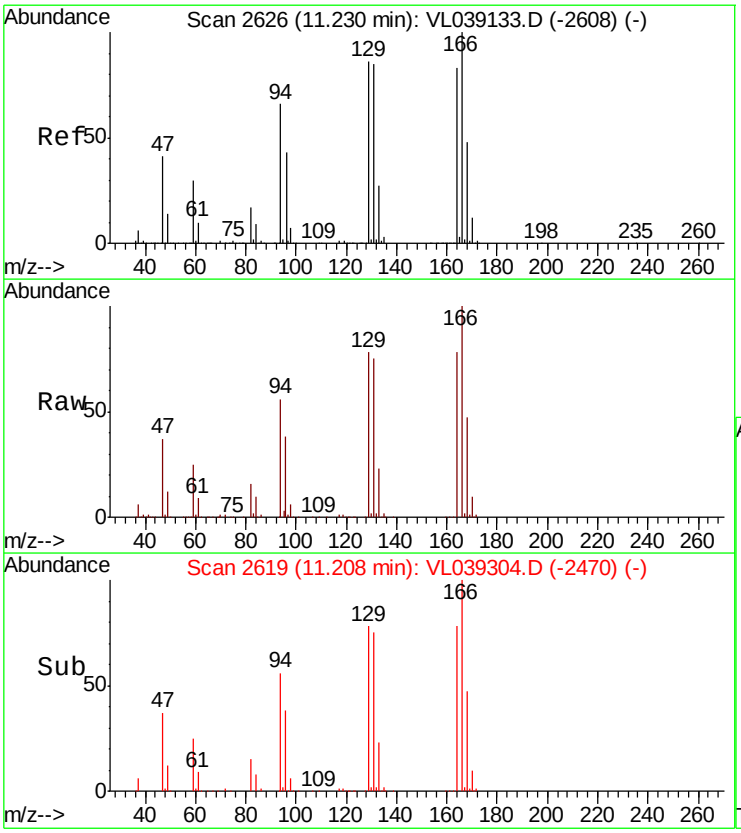
#51
2-Hexanone
Concen: 0.634 ppbv
RT: 10.12
Delta R.T
Lab File:
Acq: 15 Jun 2022 20:36

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 144576

Ion	Ratio	Lower	Upper
43	100		
58	50.2	40.0	60.0
98	0.9	0.1	0.1#

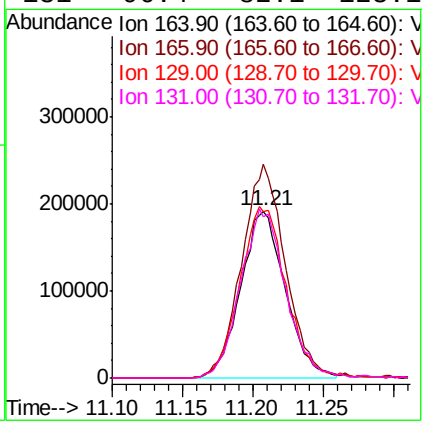


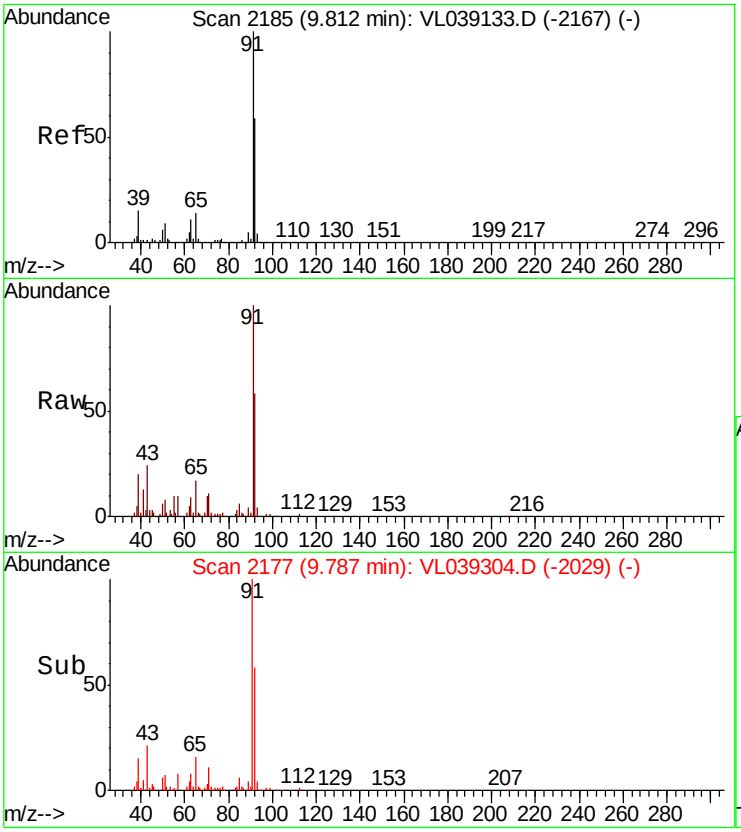


#52
Tetrachloroethene
Concen: 3.699 ppbv
RT: 11.21 min Scan# 2619
Delta R.T. -0.02 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

Tgt Ion:164 Resp: 422761

Ion	Ratio	Lower	Upper
164	100		
166	127.9	96.3	144.5
129	99.6	82.5	123.7
131	96.4	82.1	123.1



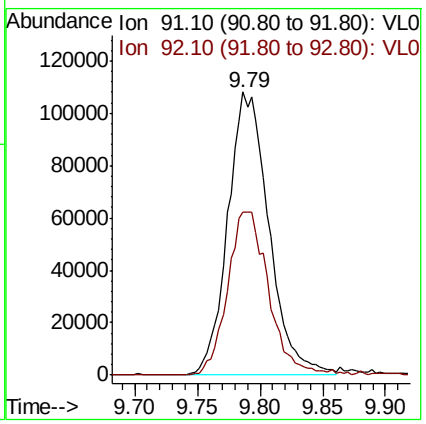


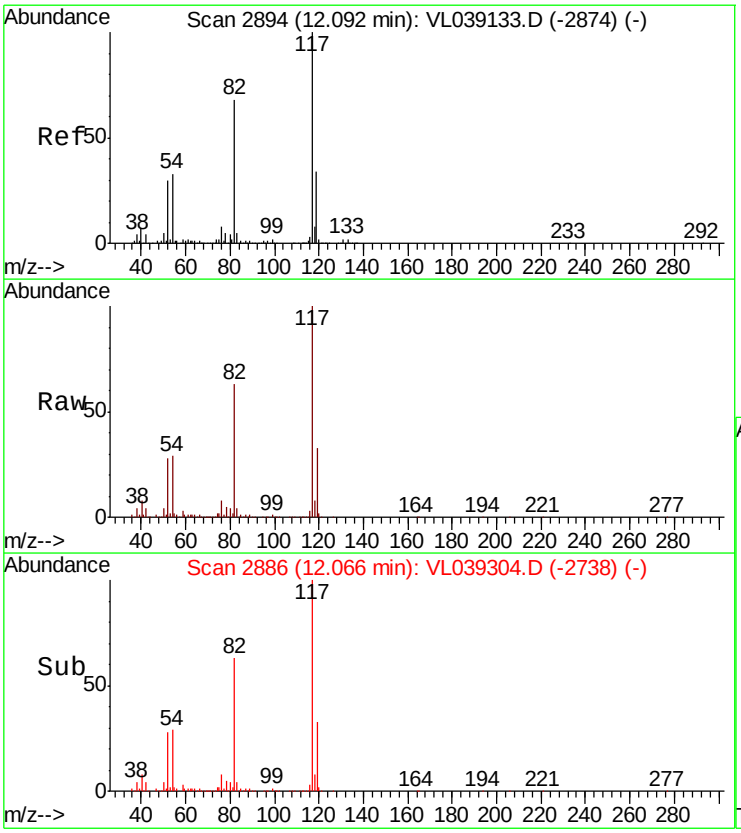
#53
Toluene
Concen: 0.731 ppbv
RT: 9.79
Delta R.T
Lab File:
Acq: 15 Jun 2022 20:36

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 246418

Ion	Ratio	Lower	Upper
91	100		
92	58.1	48.1	72.1

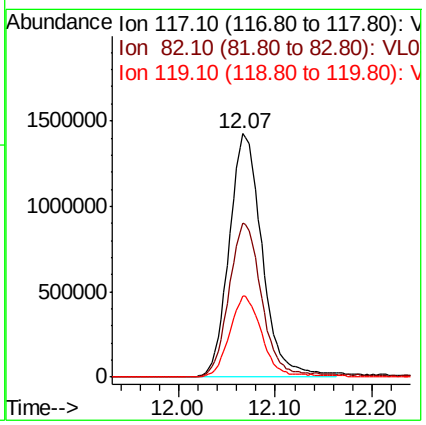


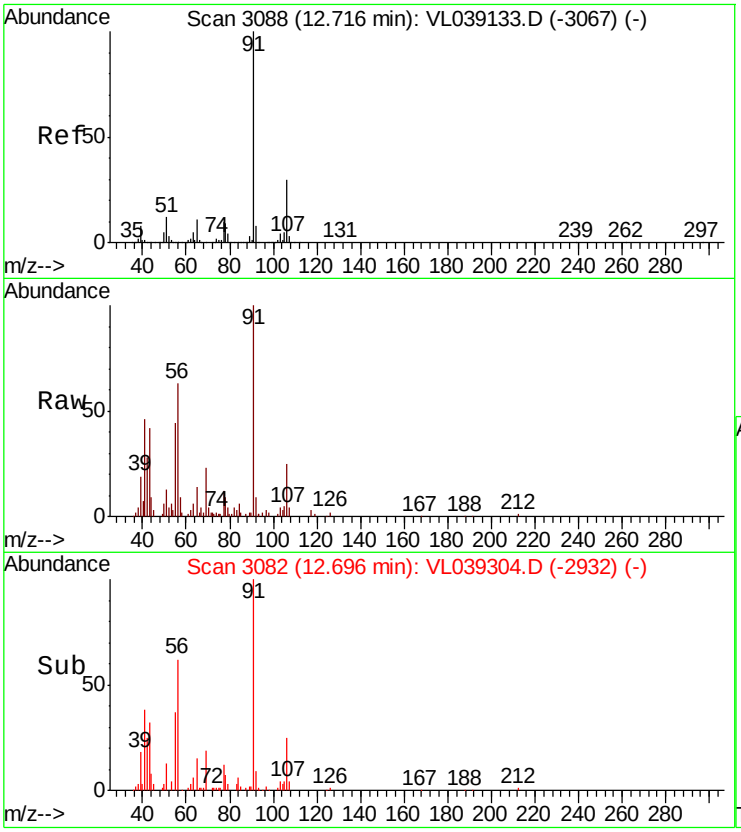


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.03 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

Tgt Ion:117 Resp: 3391759

Ion	Ratio	Lower	Upper
117	100		
82	64.8	55.1	82.7
119	33.4	24.7	37.1



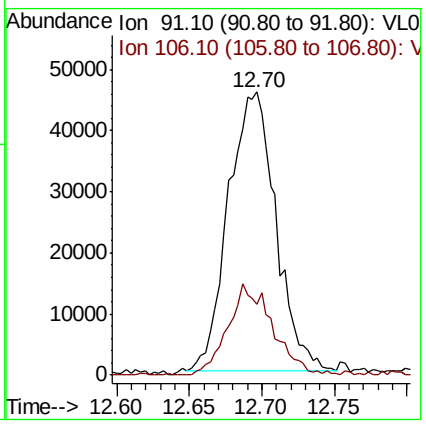


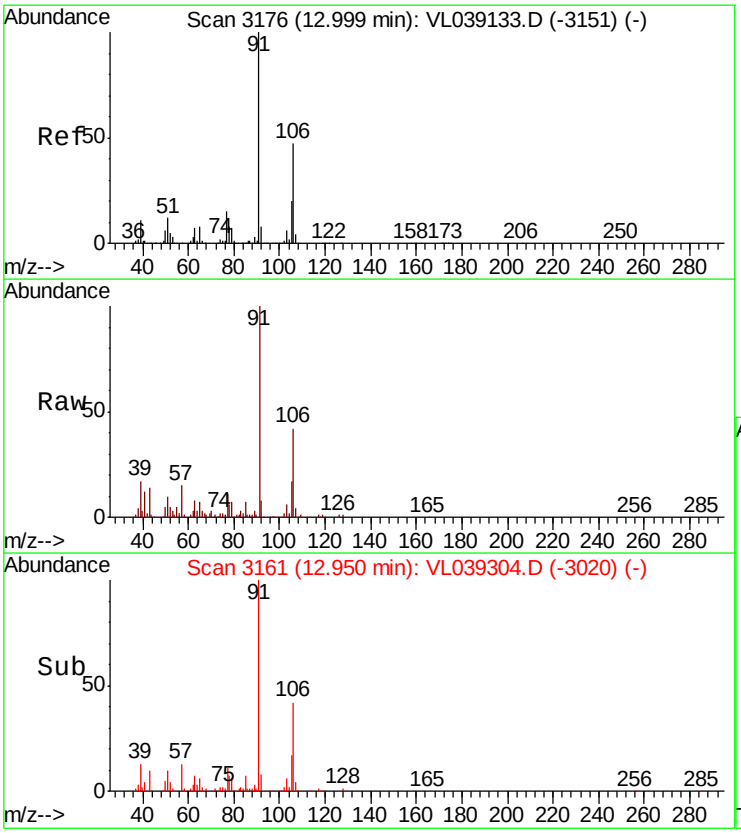
#58
Ethyl Benzene
Concen: 0.224 ppbv
RT: 12.70
Delta R.T
Lab File:
Acq: 15 Jun 2022 20:36

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 104532

Ion	Ratio	Lower	Upper
91	100		
106	25.2	24.2	36.4

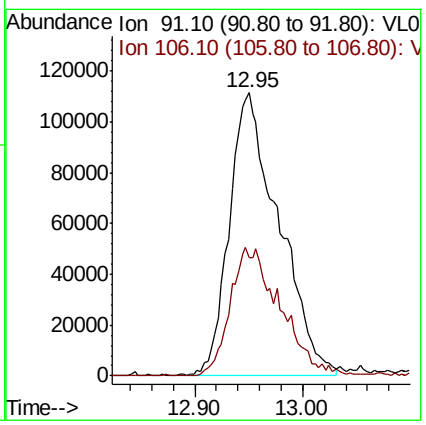


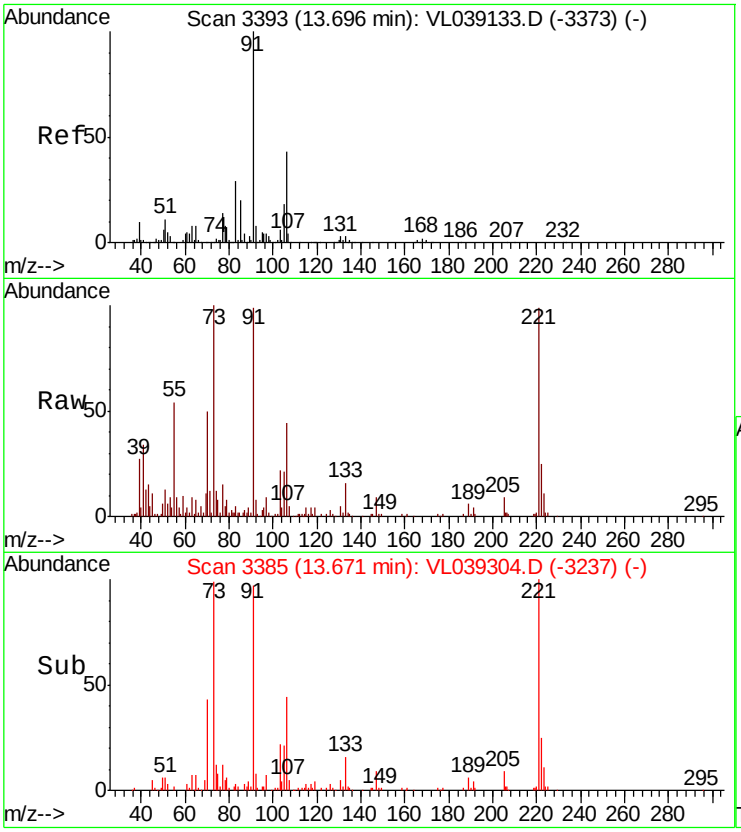


#59
m/p-Xylene
Concen: 0.859 ppbv
RT: 12.95 min Scan# 3161
Delta R.T. -0.05 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

Tgt Ion: 91 Resp: 353471

Ion	Ratio	Lower	Upper
91	100		
106	46.2	34.3	51.5



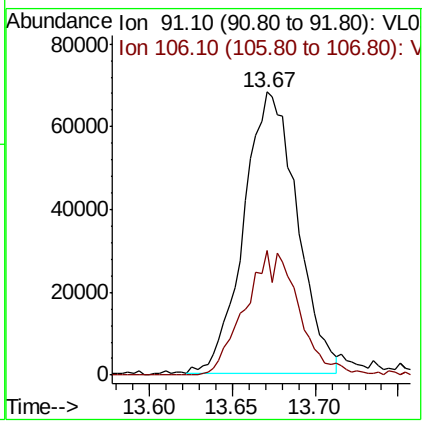


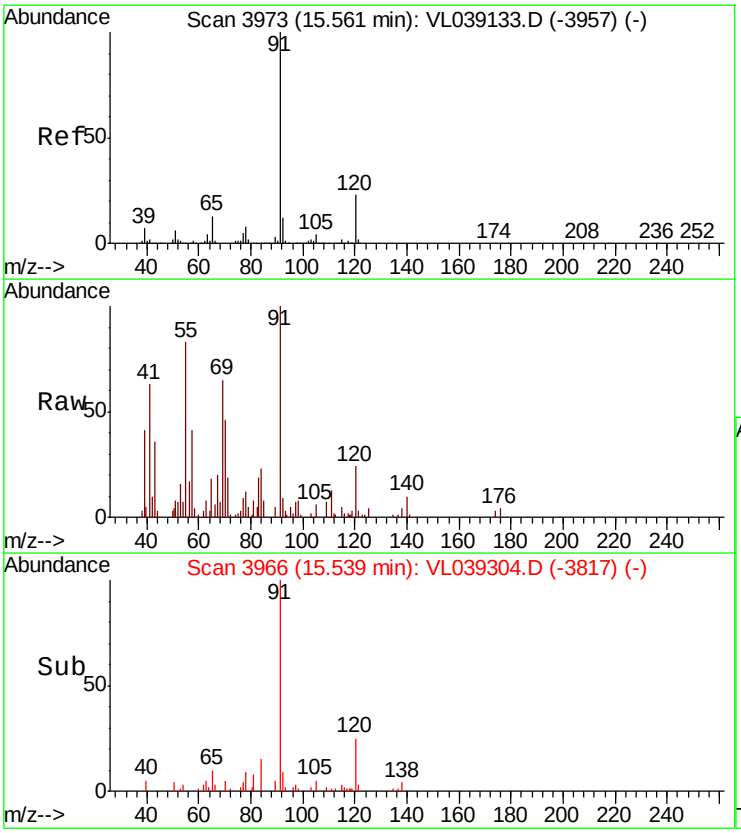
#60
o-Xylene
Concen: 0.391 ppbv
RT: 13.67
Delta R.T
Lab File:
Acq: 15 Jun 2022 20:36

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 151177

Ion	Ratio	Lower	Upper
91	100		
106	45.1	22.3	66.9

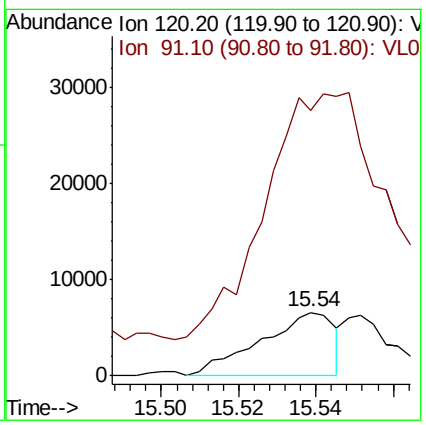


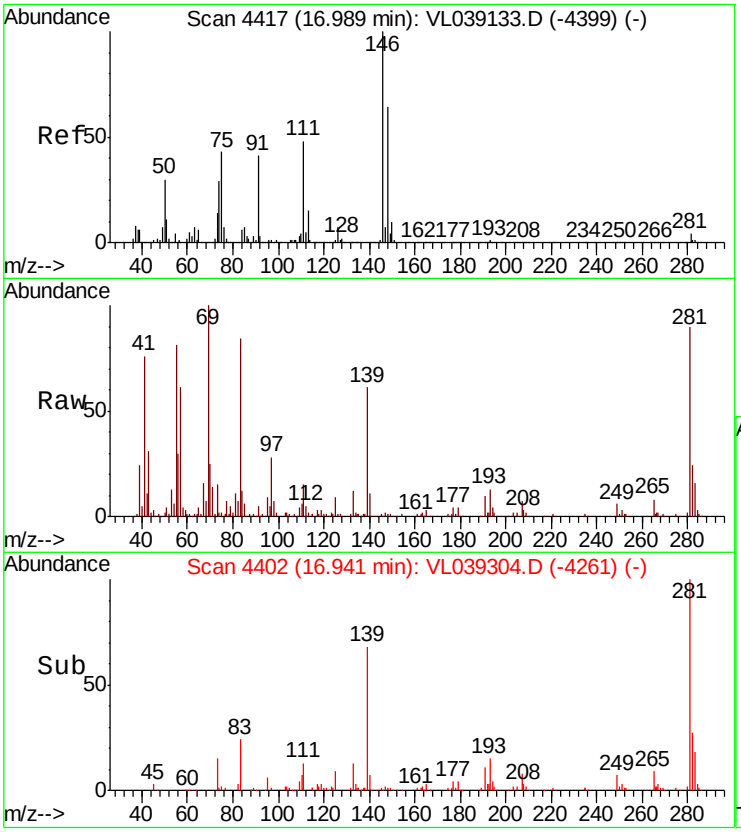


#64
n-propylbenzene
Concen: 0.063 ppbv
RT: 15.54 min Scan# 3966
Delta R.T. -0.02 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

Tgt Ion:120 Resp: 8847

Ion	Ratio	Lower	Upper
120	100		
91	0.0	388.4	582.6#



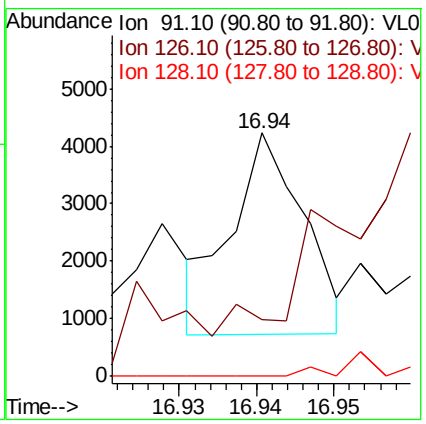


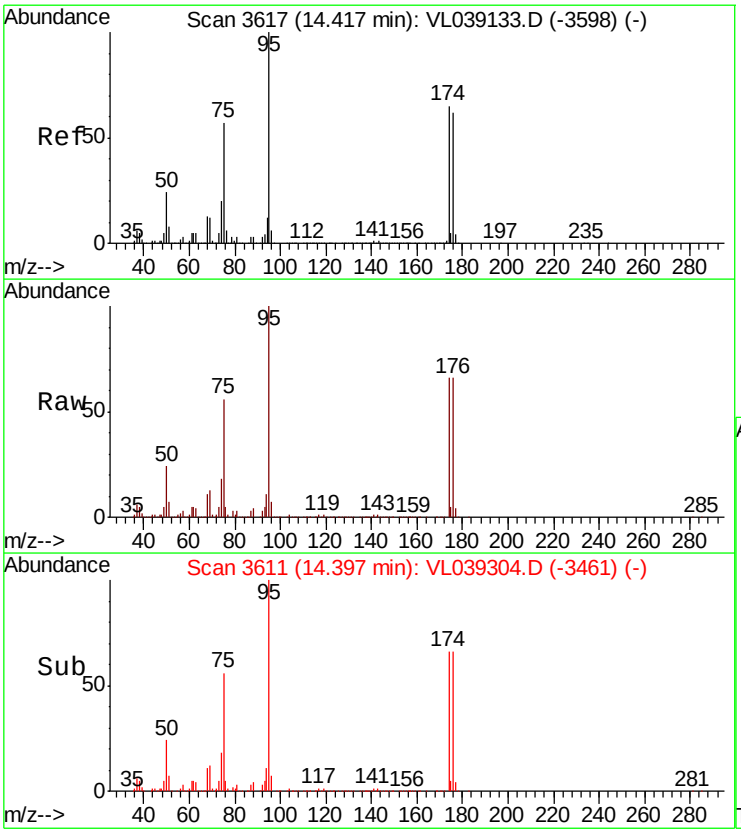
#66
Benzyl Chloride
Concen: 0.033 ppbv
RT: 16.94
Delta R.T
Lab File:
Acq: 15 Jun 2022 20:36

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 2282

Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.4	20.0#
128	0.0	4.1	6.1#

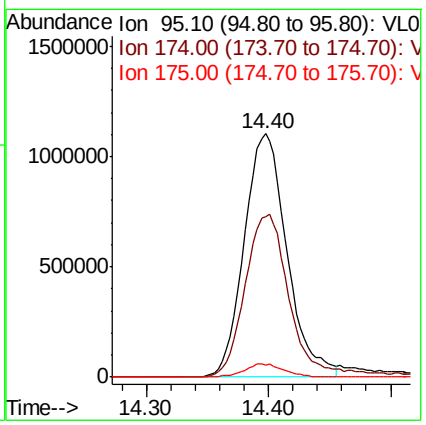


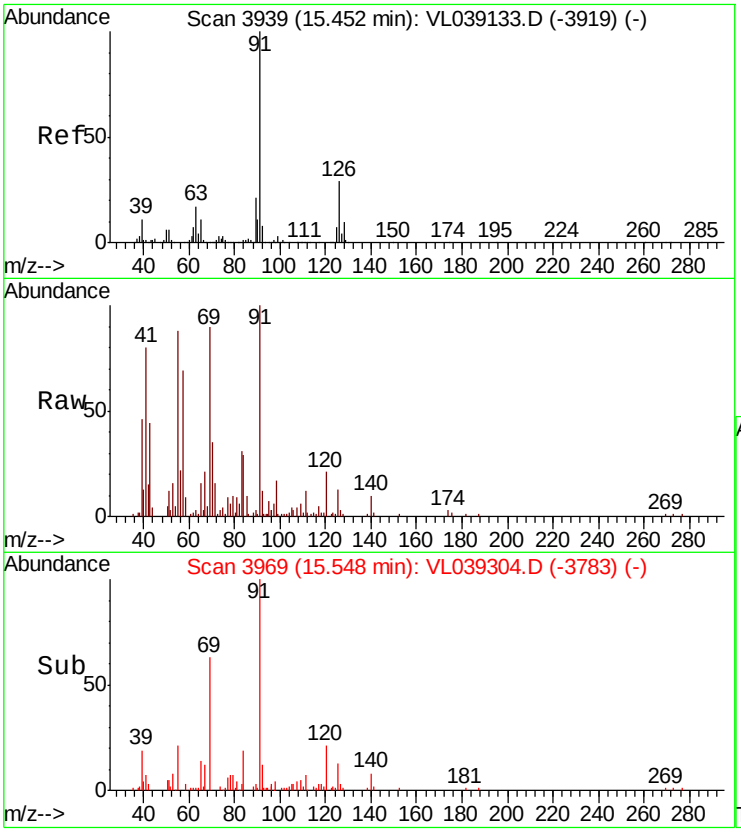


#68
1-Bromo-4-Fluorobenzene
Concen: 9.530 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. -0.02 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

Tgt Ion: 95 Resp: 2672324

Ion	Ratio	Lower	Upper
95	100		
174	71.8	53.8	80.8
175	5.3	4.1	6.1



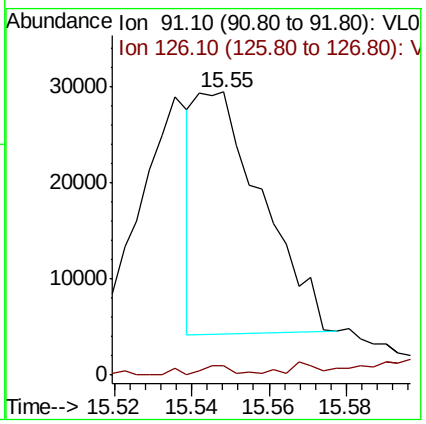


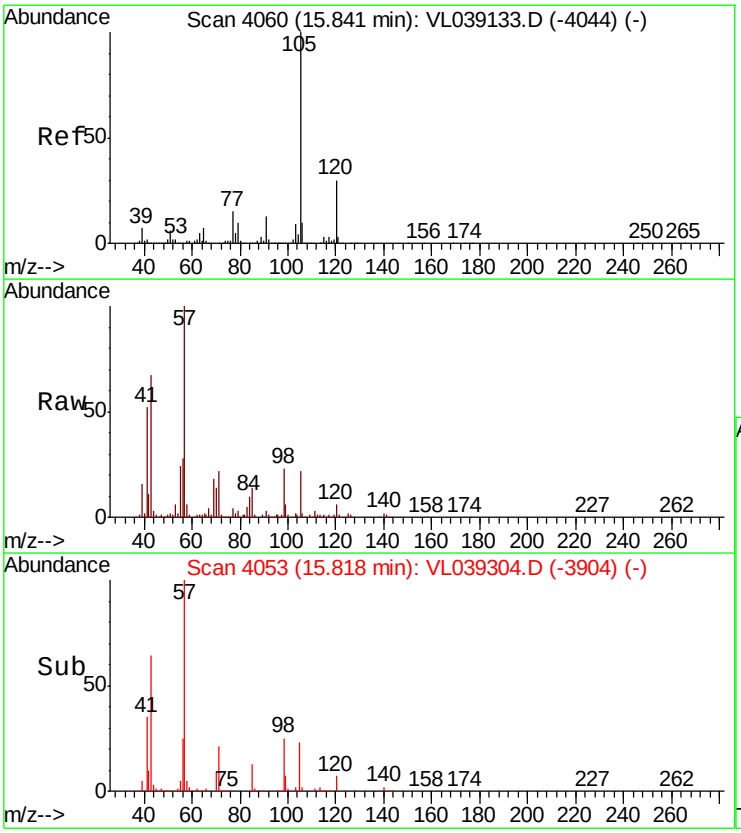
#71
2-Chlorotoluene
Concen: 0.069 ppbv
RT: 15.55
Delta R.T
Lab File:
Acq: 15 Jun 2022 20:36

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 30165

Ion	Ratio	Lower	Upper
91	100		
126	34.3	12.2	48.6

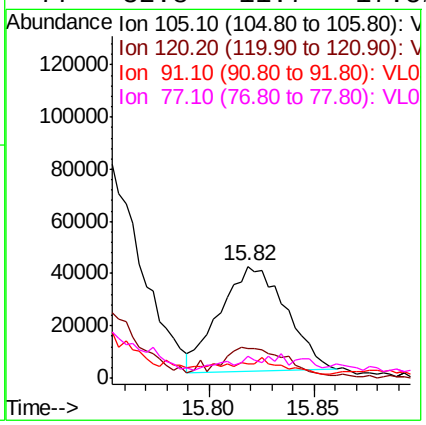


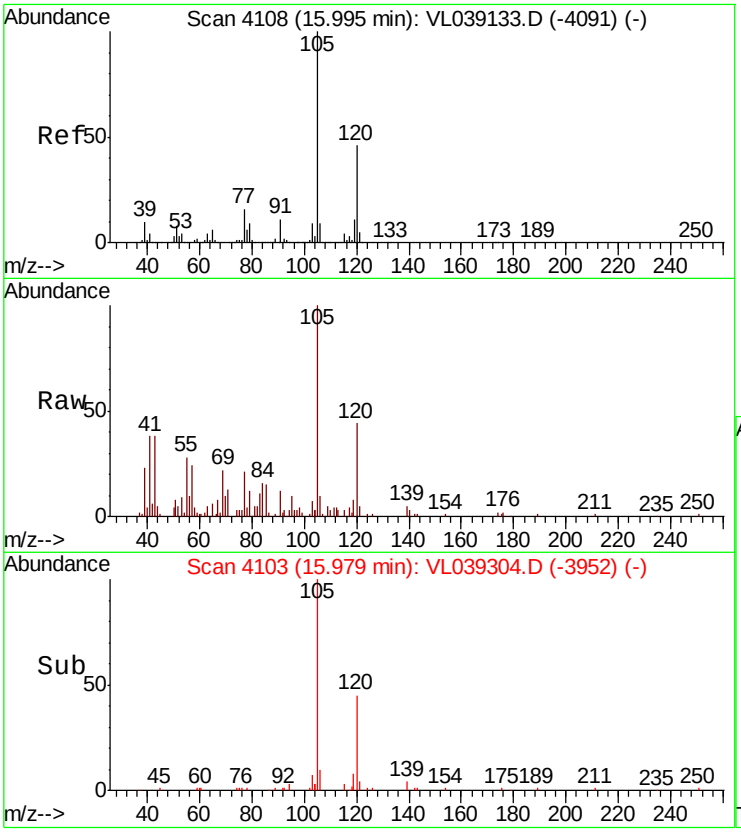


#72
4-Ethyltoluene
Concen: 0.192 ppbv
RT: 15.82 min Scan# 4053
Delta R.T. -0.02 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

Tgt Ion:105 Resp: 87164

Ion	Ratio	Lower	Upper
105	100		
120	33.0	23.9	35.9
91	0.0	10.6	16.0#
77	32.8	11.7	17.5#



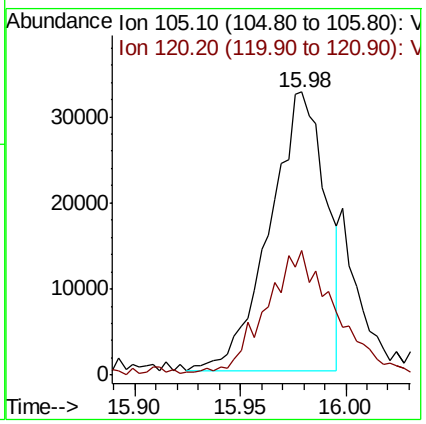


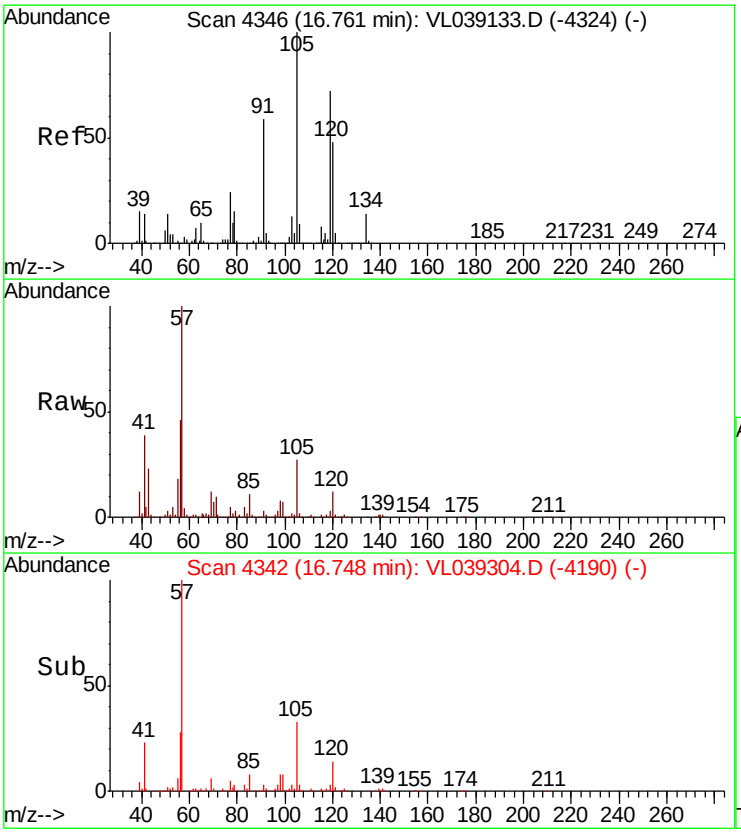
#73
1,3,5-Trimethylbenzene
Concen: 0.146 ppbv
RT: 15.98
Delta R.T
Lab File:
Acq: 15 Jun 2022 20:36

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:105 Resp: 59739

Ion	Ratio	Lower	Upper
105	100		
120	43.8	36.7	55.1





#74
1,2,4-Trimethylbenzene
Concen: 0.681 ppbv
RT: 16.75 min Scan# 4342
Delta R.T. -0.01 min
Lab File: VL039304.D
Acq: 15 Jun 2022 20:36

Tgt Ion:105 Resp: 310421

Ion	Ratio	Lower	Upper
105	100		
120	42.7	38.1	57.1
91	10.3	47.4	71.0#
77	13.0	19.5	29.3#