Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110921\
Data File : VL037990.D
Acq On : 9 Nov 2021 22:07
Operator : SY/AP
Sample : M4555-05
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Nov 10 04:49:27 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 02 05:54:07 2021
QLast Update : Tue Nov 02 05:54:07 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1289627	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	3751738	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.08	117	3206436	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.41	95	2183055	9.37	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	56869	0.313	ppbv		89
3) Chlorodifluoromethane	2.97	51	175144	0.730	ppbv	#	73
4) Chloromethane	3.14	50	60986	0.668	ppbv		94
9) Propene	3.02	41	83249	0.967	ppbv		96
10) Heptane	8.11	43	6656	0.033	ppbv	#	1
11) Trichlorofluoromethane	3.95	101	26216	0.145	ppbv		94
13) Ethanol	3.61	45	4308306	496.137	ppbv		90
15) Acetone	3.85	43	1874222	17.587	ppbv		99
16) 1,3-Butadiene	3.34	39	3324	0.040	ppbv	#	10
17) tert-Butyl alcohol	4.30	59	264019	2.383	ppbv		98
19) Isopropyl Alcohol	3.97	45	1930096	28.323	ppbv	#	94
20) Methylene Chloride	4.35	84	564664	9.652	ppbv		95
23) Vinyl Acetate	5.08	43	130810	0.815	ppbv	#	91
25) Ethyl Acetate	5.69	43	432091	1.365	ppbv	#	84
26) Hexane	5.69	57	492960	3.287	ppbv	#	50
34) 2-Butanone	5.24	43	177661	1.278	ppbv		93
36) Benzene	6.89	78	25543	0.084	ppbv	#	92
39) 1,2-Dichloropropane	7.17	63	876156	7.621	ppbv	#	27
41) Tetrahydrofuran	5.74	42	2243	0.033	ppbv	#	43
44) 2,2,4-Trimethylpentane	7.86	57	21268	0.041	ppbv	#	28
51) 2-Hexanone	10.14	43	2596	0.034	ppbv	#	1
52) Tetrachloroethene	11.22	164	34261	0.296	ppbv		90
53) Toluene	9.80	91	226451	0.691	ppbv		98
58) Ethyl Benzene	12.70	91	18471	0.047	ppbv		93
59) m/p-Xylene	12.99	91	19582	0.056	ppbv	#	30
60) o-Xylene	13.69	91	20836	0.063	ppbv	#	19
61) Styrene	13.52	104	5675	0.038	ppbv	#	33
65) tert-Butylbenzene	16.97	119	242360	0.589	ppbv	#	24
66) Benzyl Chloride	16.98	91	3865	0.180	ppbv	#	66
75) 1,3-Dichlorobenzene	16.98	146	11930	0.052	ppbv	#	1

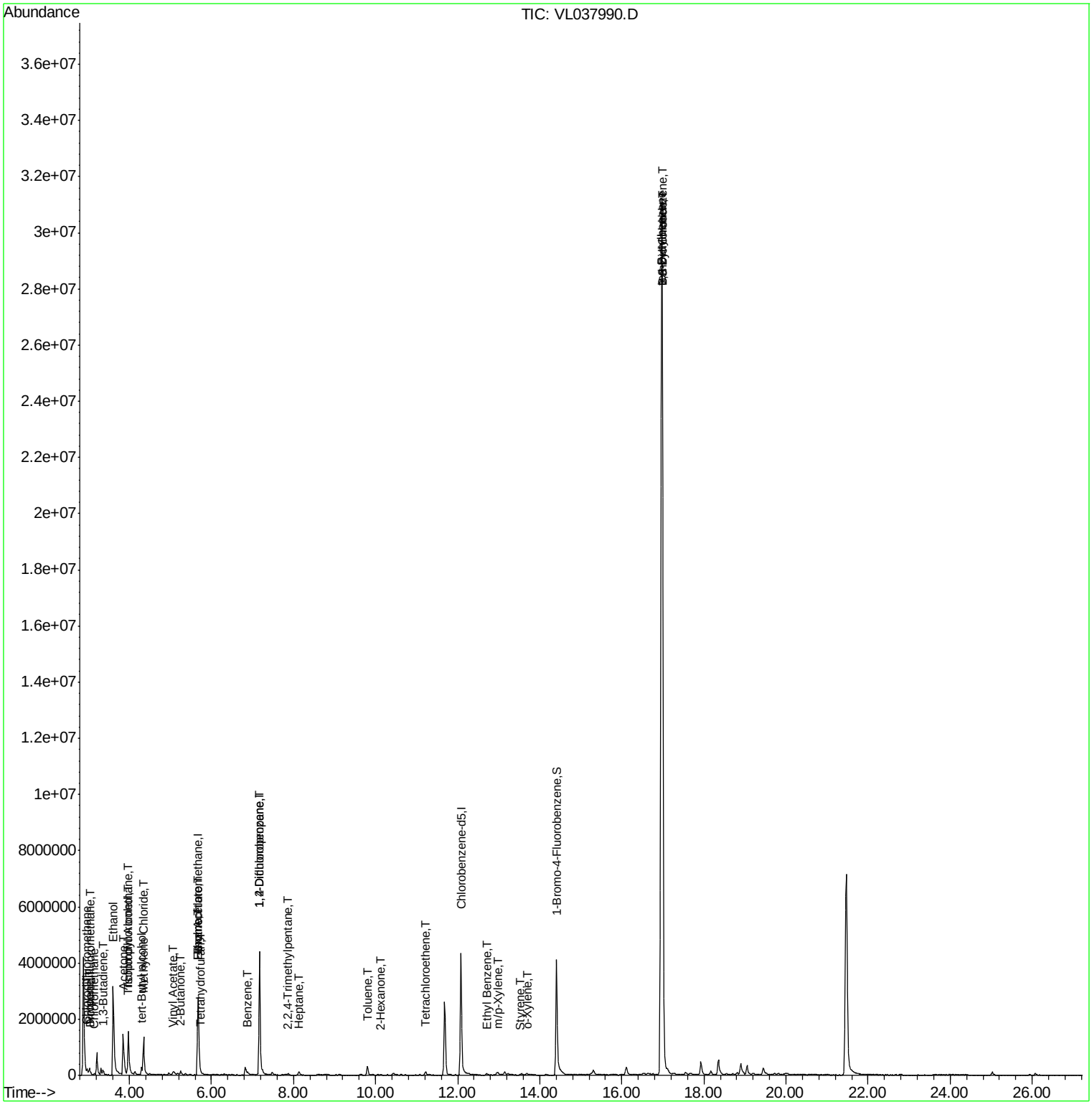
(#) = qualifier out of range (m) = manual integration (+) = signals summed

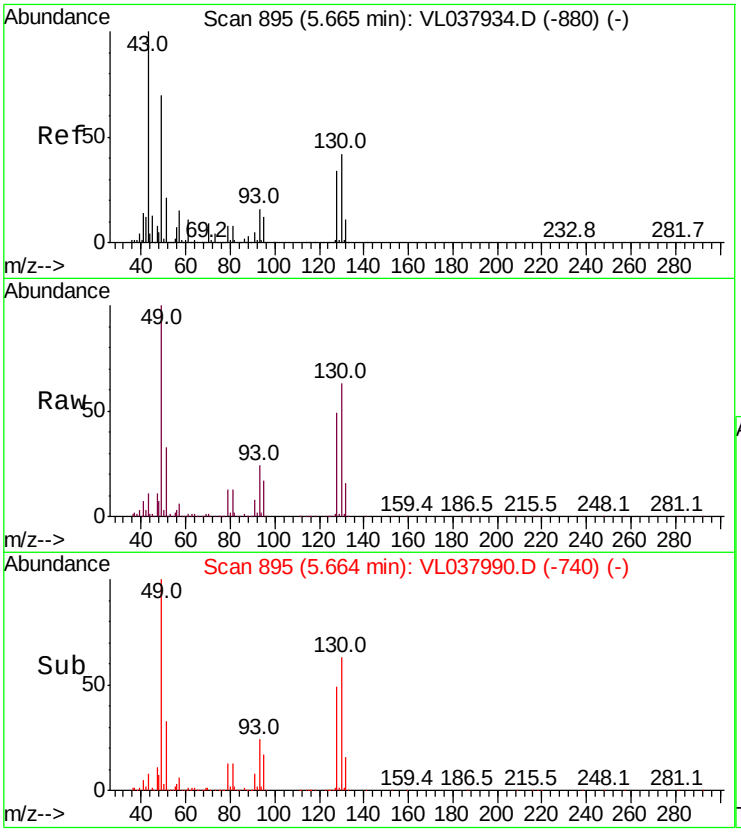
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110921\
Data File : VL037990.D
Acq On : 9 Nov 2021 22:07
Operator : SY/AP
Sample : M4555-05
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Nov 10 04:49:27 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 02 05:54:07 2021
QLast Update : Tue Nov 02 05:54:07 2021
Response via : Initial Calibration



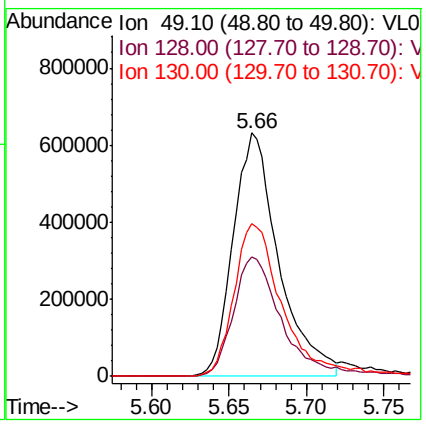


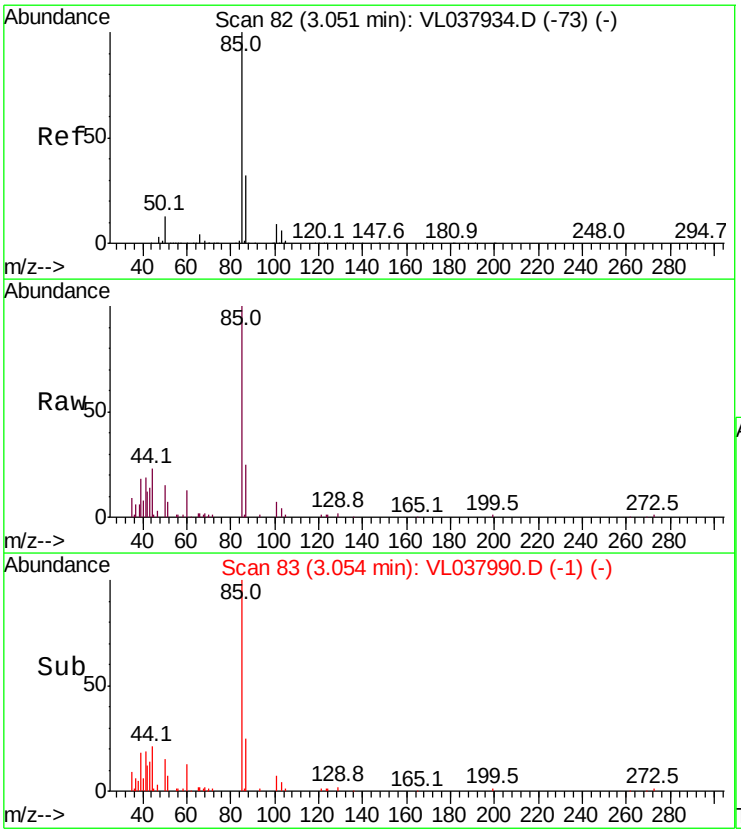
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 9 Nov 2021 22:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1289627

Ion	Ratio	Lower	Upper
49	100		
128	54.0	27.0	81.0
130	69.2	33.4	100.2

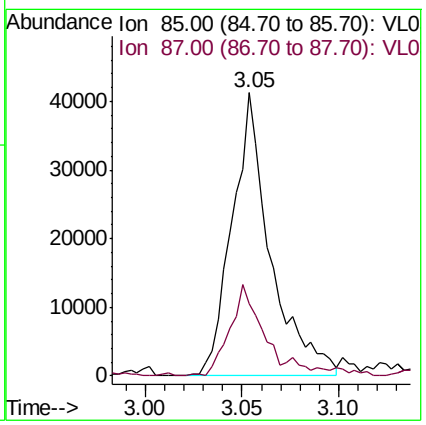


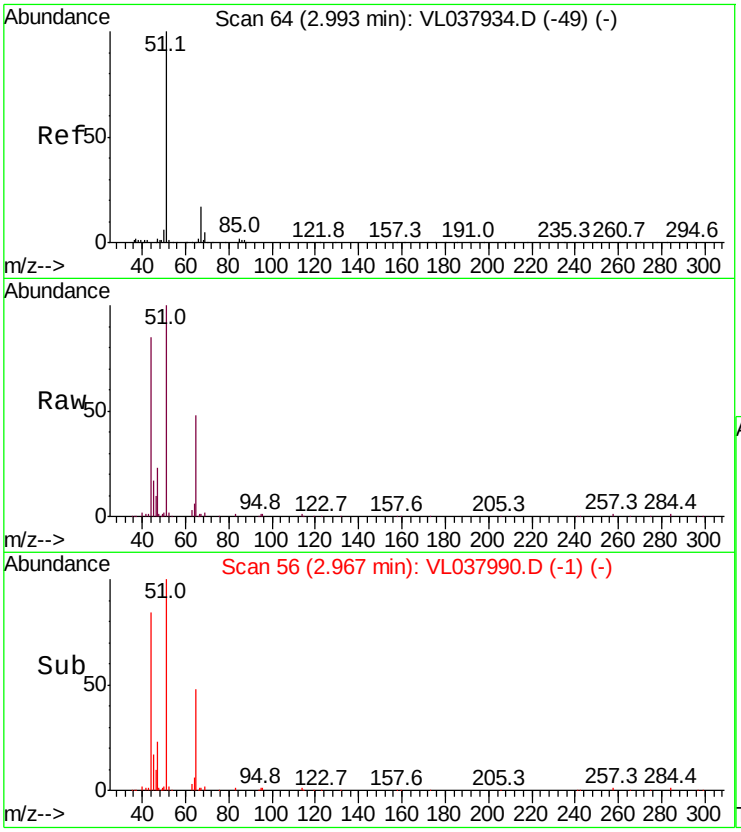


#2
Dichlorodifluoromethane
Concen: 0.313 ppbv
RT: 3.05 min Scan# 83
Delta R.T. 0.00 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

Tgt Ion: 85 Resp: 56869

Ion	Ratio	Lower	Upper
85	100		
87	25.4	25.3	37.9



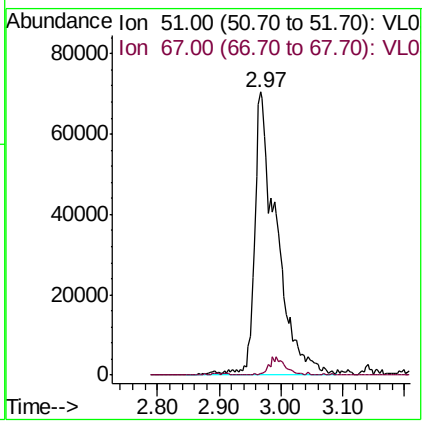


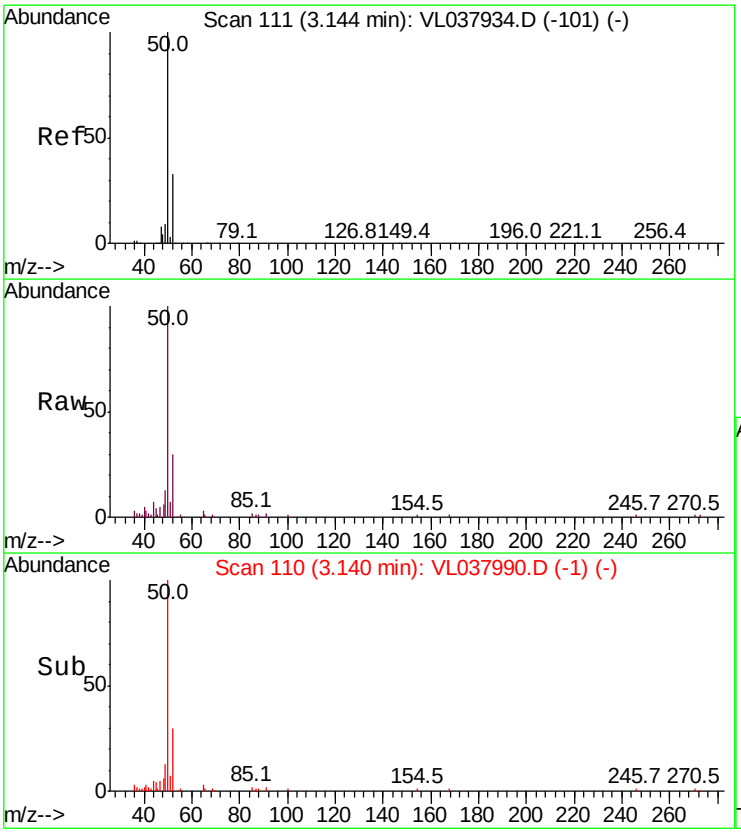
#3
Chlorodifluoromethane
Concen: 0.730 ppbv
RT: 2.97
Delta R.T
Lab File:
Acq: 9 Nov 2021 22:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 175144

Ion	Ratio	Lower	Upper
51	100		
67	4.9	13.4	20.0#

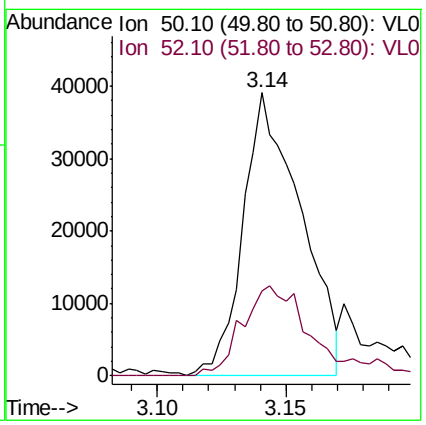


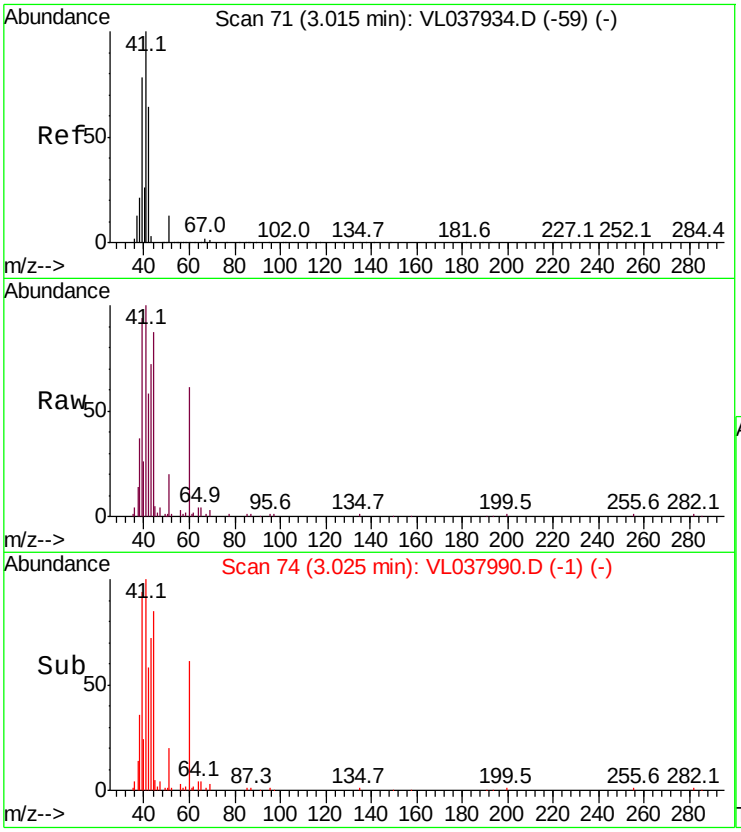


#4
Chloromethane
Concen: 0.668 ppbv
RT: 3.14 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

Tgt Ion: 50 Resp: 60986

Ion	Ratio	Lower	Upper
50	100		
52	29.7	26.3	39.5



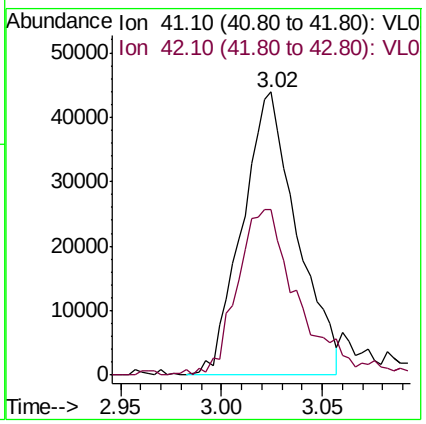


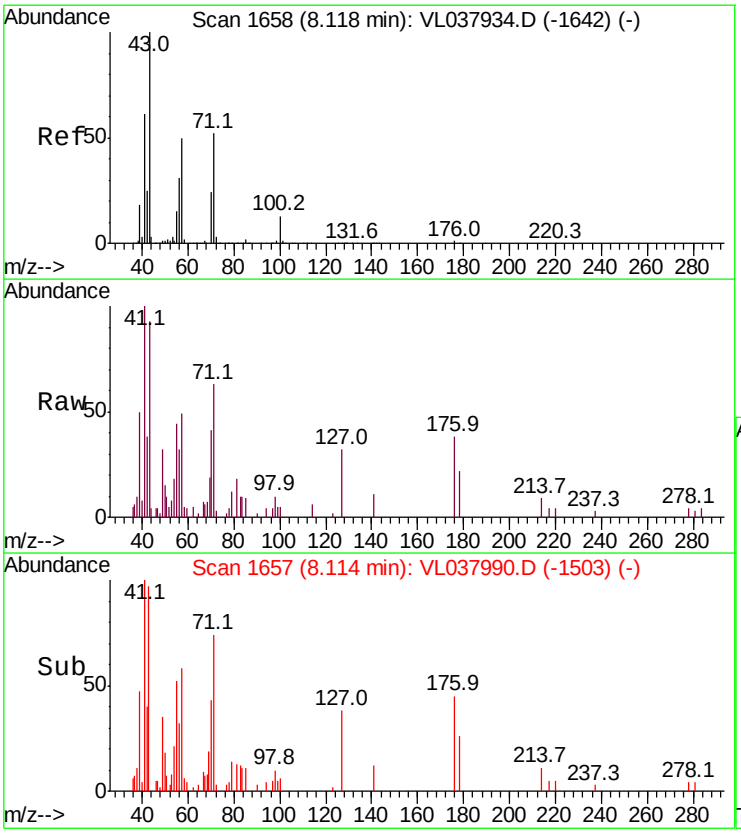
#9
Propene
Concen: 0.967 ppbv
RT: 3.02
Delta R.T
Lab File:
Acq: 9 Nov 2021 22:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 83249

Ion	Ratio	Lower	Upper
41	100		
42	68.3	57.6	86.4

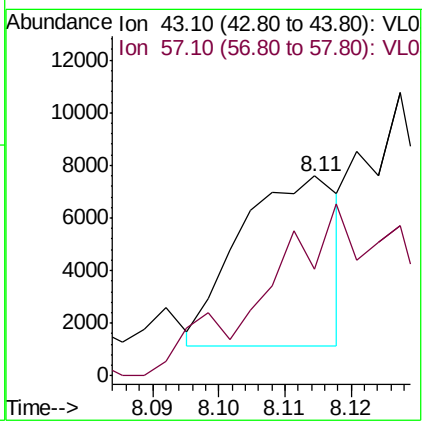


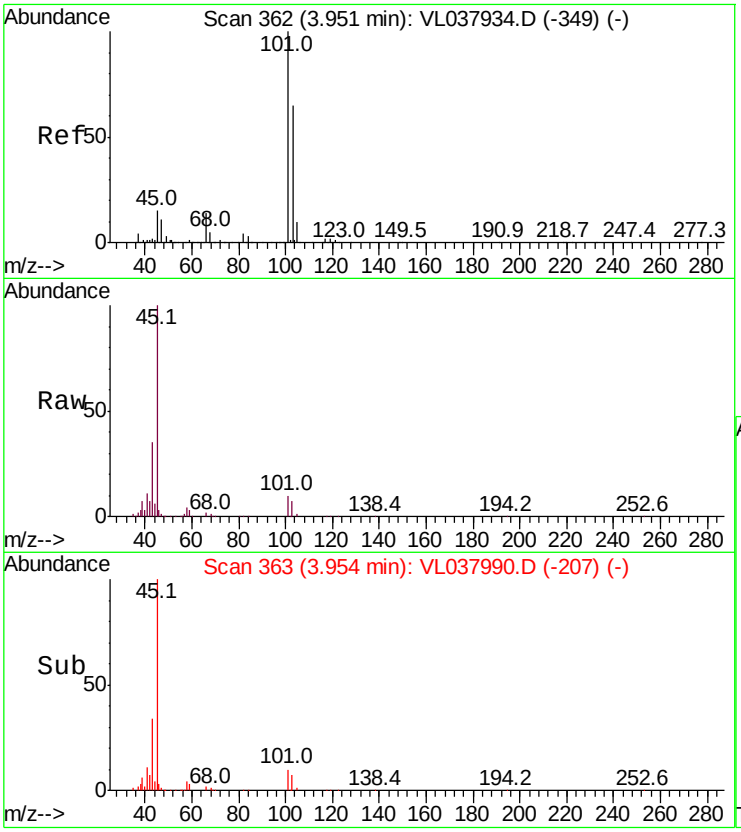


#10
Heptane
Concen: 0.033 ppbv
RT: 8.11 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

Tgt Ion: 43 Resp: 6656

Ion	Ratio	Lower	Upper
43	100		
57	203.0	39.8	59.8#

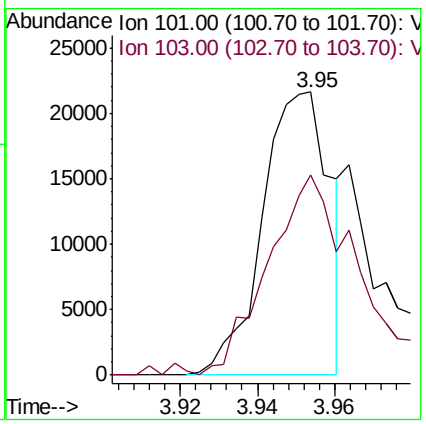


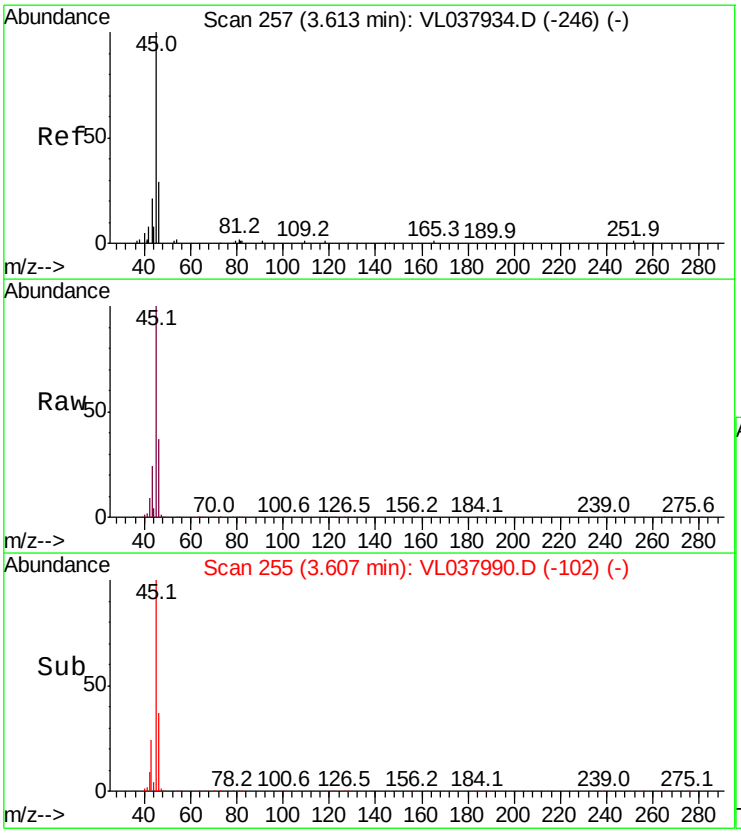


#11
Trichlorofluoromethane
Concen: 0.145 ppbv
RT: 3.95
Delta R.T
Lab File:
Acq: 9 Nov 2021 22:07

Tgt Ion:101 Resp: 26216

Ion	Ratio	Lower	Upper
101	100		
103	69.4	52.0	78.0

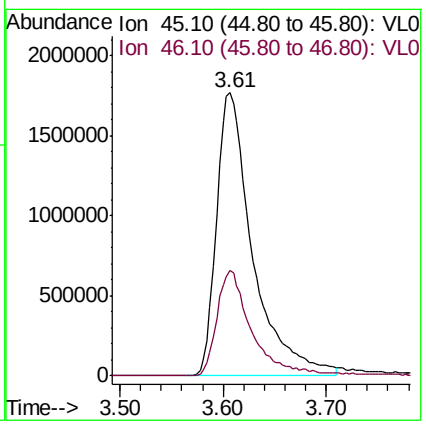


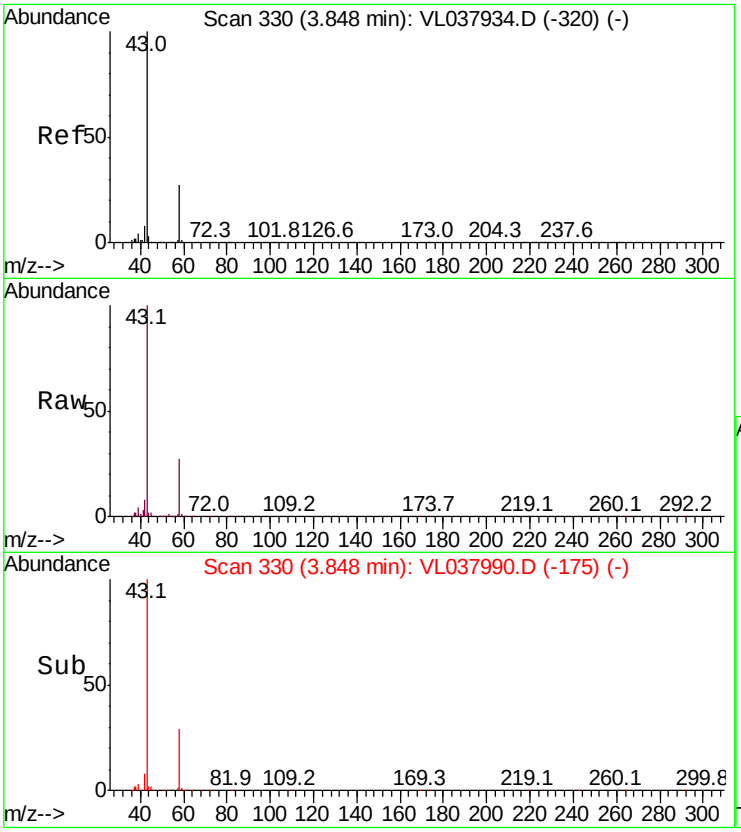


#13
Ethanol
Concen: 496.137 ppbv
RT: 3.61 min Scan# 255
Delta R.T. -0.01 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

Tgt Ion: 45 Resp: 4308306

Ion	Ratio	Lower	Upper
45	100		
46	37.1	17.4	69.8



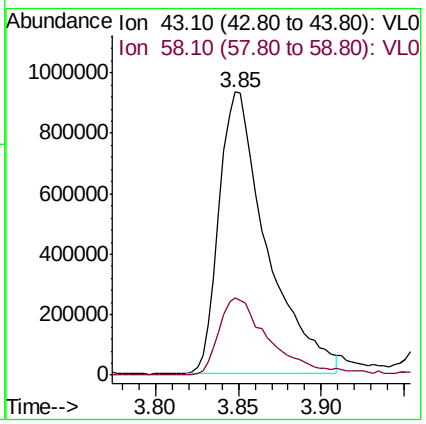


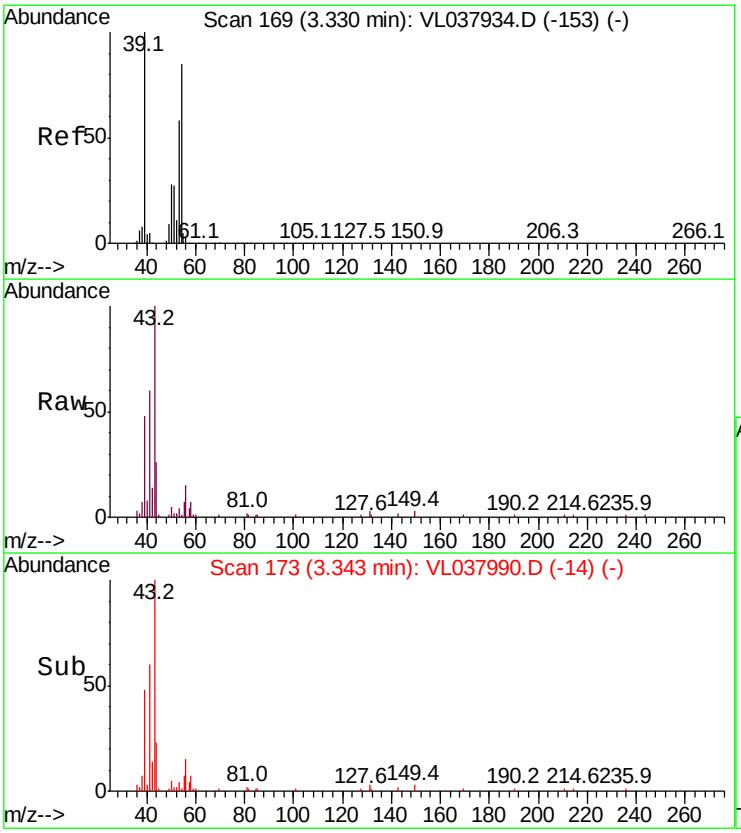
#15
Acetone
Concen: 17.587 ppbv
RT: 3.85
Delta R.T
Lab File:
Acq: 9 Nov 2021 22:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1874222

Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.3	34.9

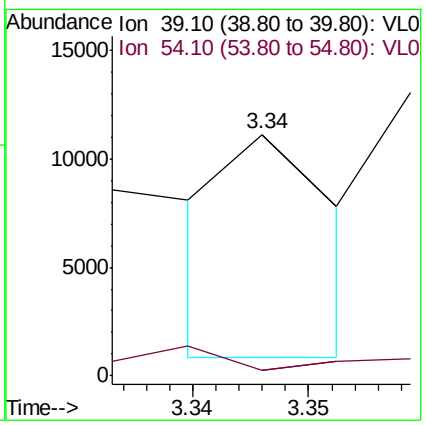


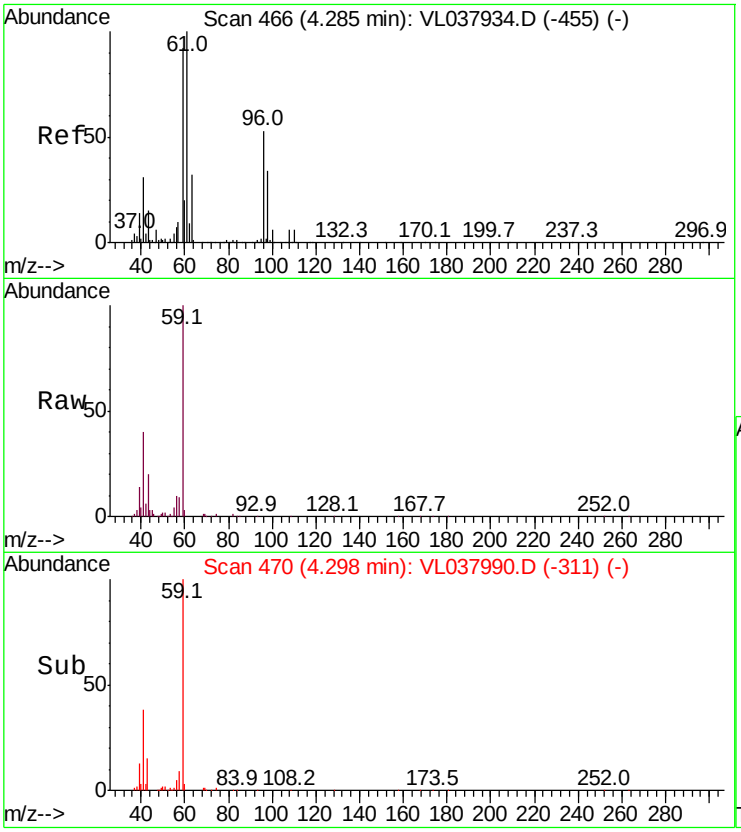


#16
1,3-Butadiene
Concen: 0.040 ppbv
RT: 3.34 min Scan# 173
Delta R.T. 0.01 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

Tgt Ion: 39 Resp: 3324

Ion	Ratio	Lower	Upper
39	100		
54	0.0	62.6	93.8#



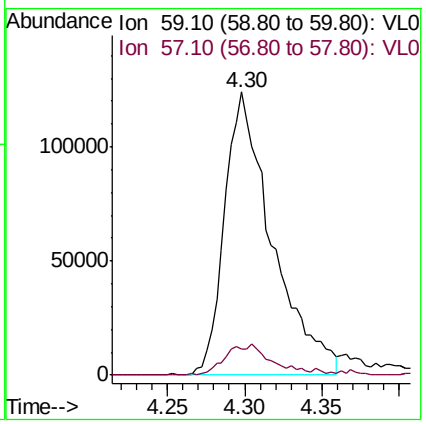


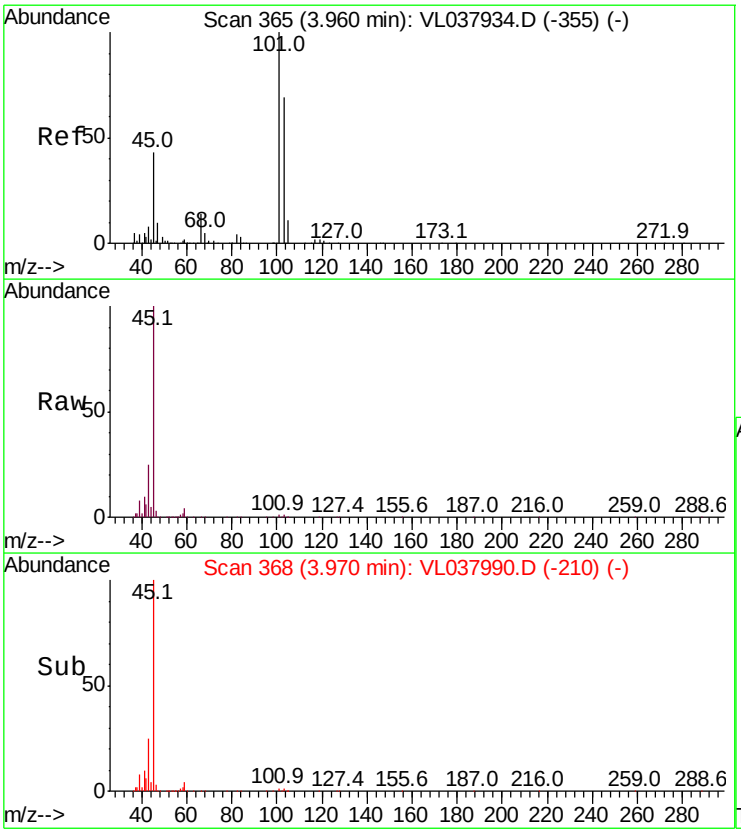
#17
tert-Butyl alcohol
Concen: 2.383 ppbv
RT: 4.30
Delta R.T
Lab File:
Acq: 9 Nov 2021 22:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 264019

Ion	Ratio	Lower	Upper
59	100		
57	11.9	8.9	13.3

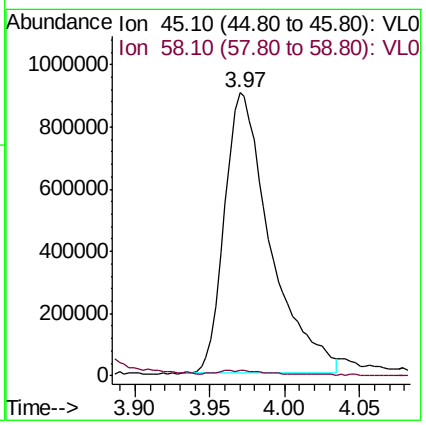


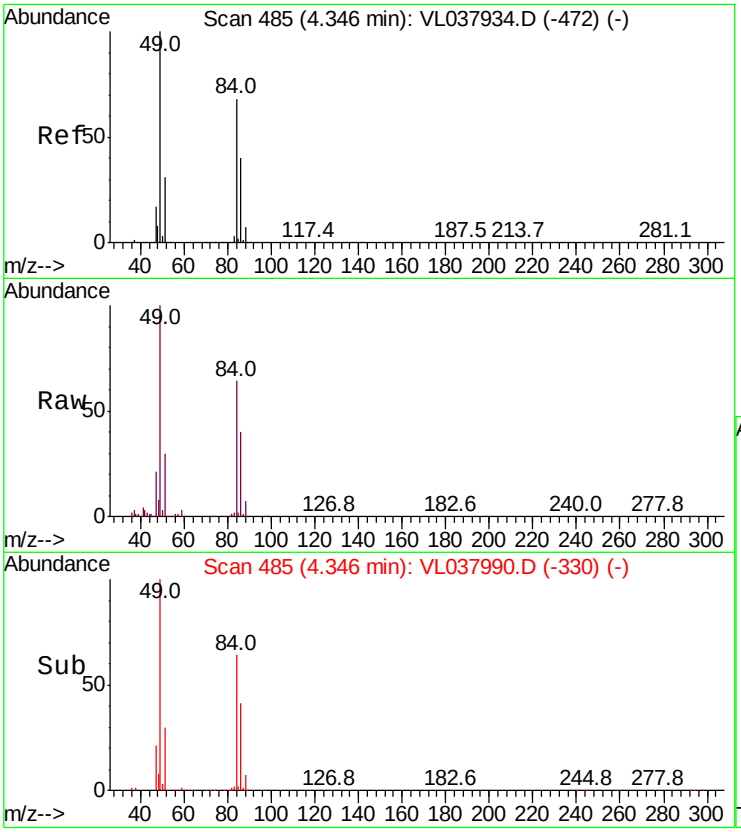


#19
Isopropyl Alcohol
Concen: 28.323 ppbv
RT: 3.97 min Scan# 368
Delta R.T. 0.01 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

Tgt Ion: 45 Resp: 1930096

Ion	Ratio	Lower	Upper
45	100		
58	2.9	4.0	6.0#



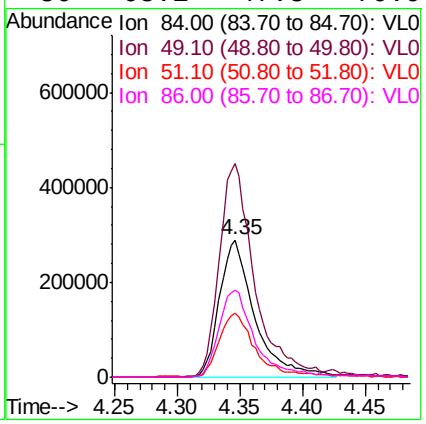


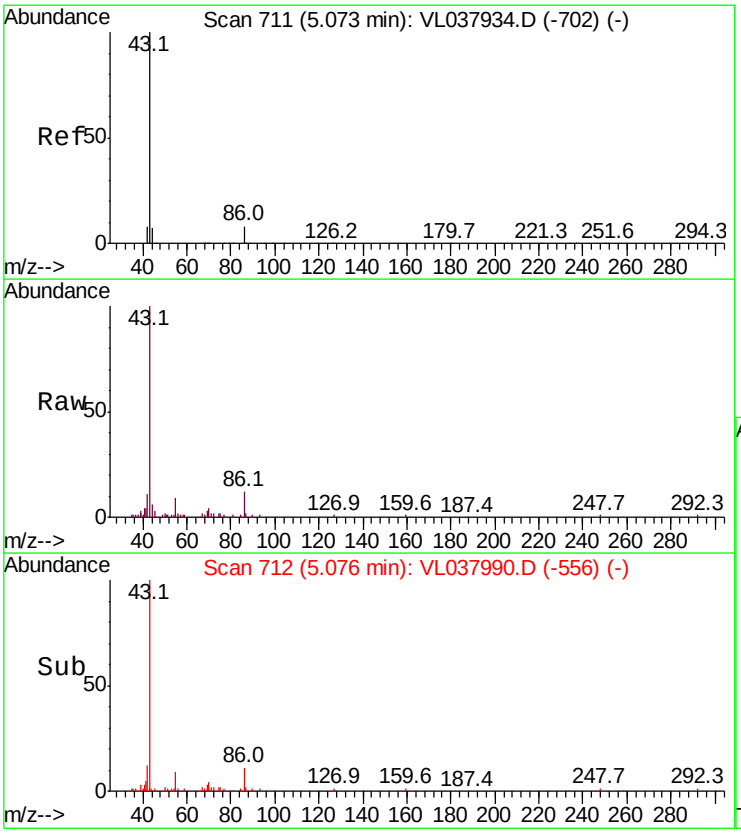
#20
Methylene Chloride
Concen: 9.652 ppbv
RT: 4.35
Delta R.T
Lab File:
Acq: 9 Nov 2021 22:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 564664

Ion	Ratio	Lower	Upper
84	100		
49	155.2	117.5	176.3
51	46.1	35.9	53.9
86	63.1	47.3	70.9

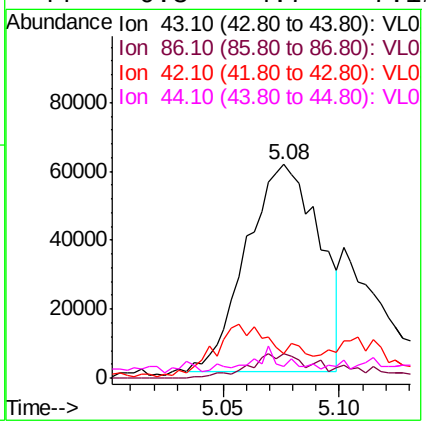


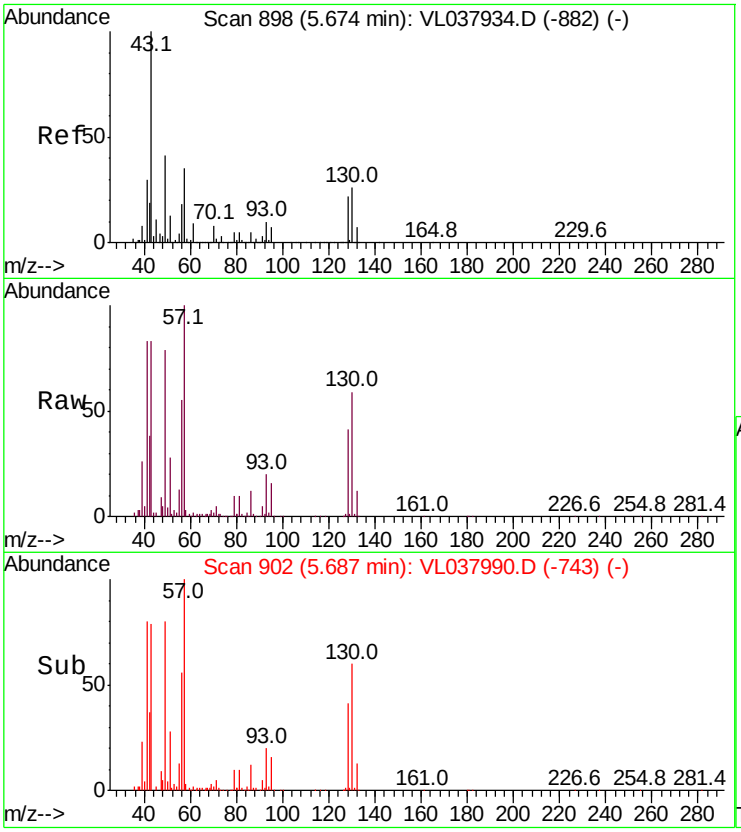


#23
Vinyl Acetate
Concen: 0.815 ppbv
RT: 5.08 min Scan# 712
Delta R.T. 0.00 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

Tgt Ion: 43 Resp: 130810

Ion	Ratio	Lower	Upper
43	100		
86	12.0	5.5	8.3#
42	9.0	7.4	11.2
44	0.3	4.7	7.1#



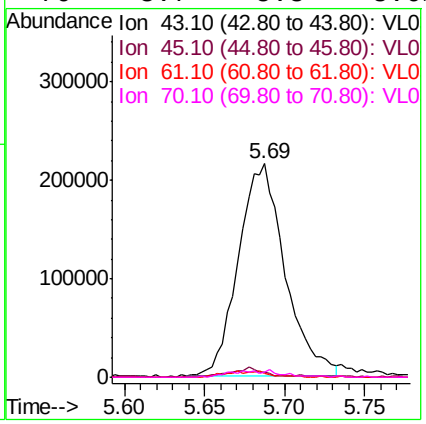


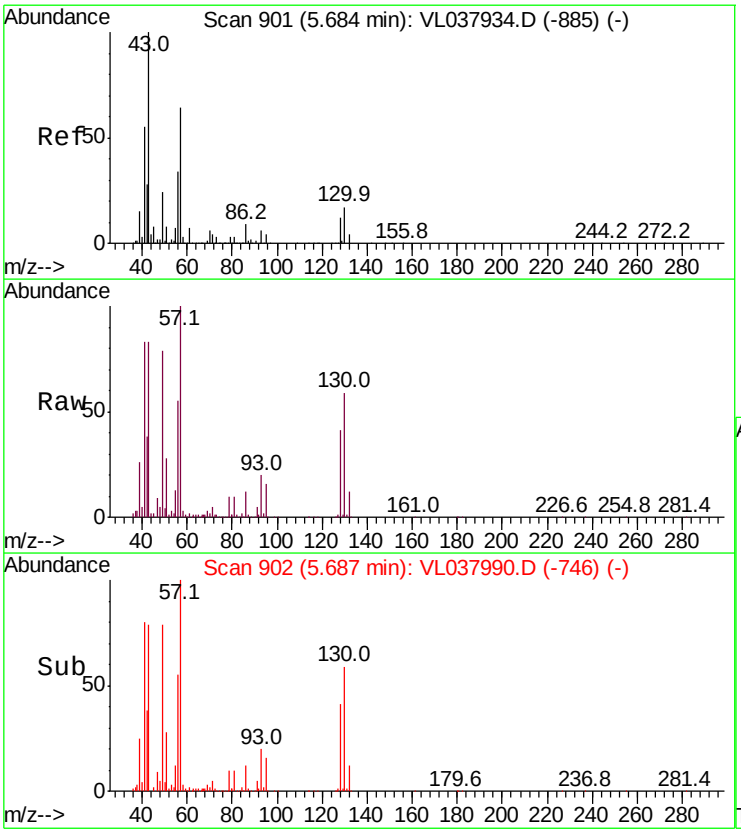
#25
Ethyl Acetate
Concen: 1.365 ppbv
RT: 5.69
Delta R.T
Lab File:
Acq: 9 Nov 2021 22:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 432091

Ion	Ratio	Lower	Upper
43	100		
45	4.4	8.1	12.1#
61	2.8	8.1	12.1#
70	3.7	5.8	8.6#

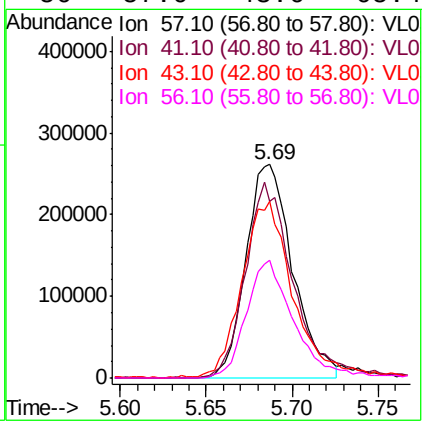


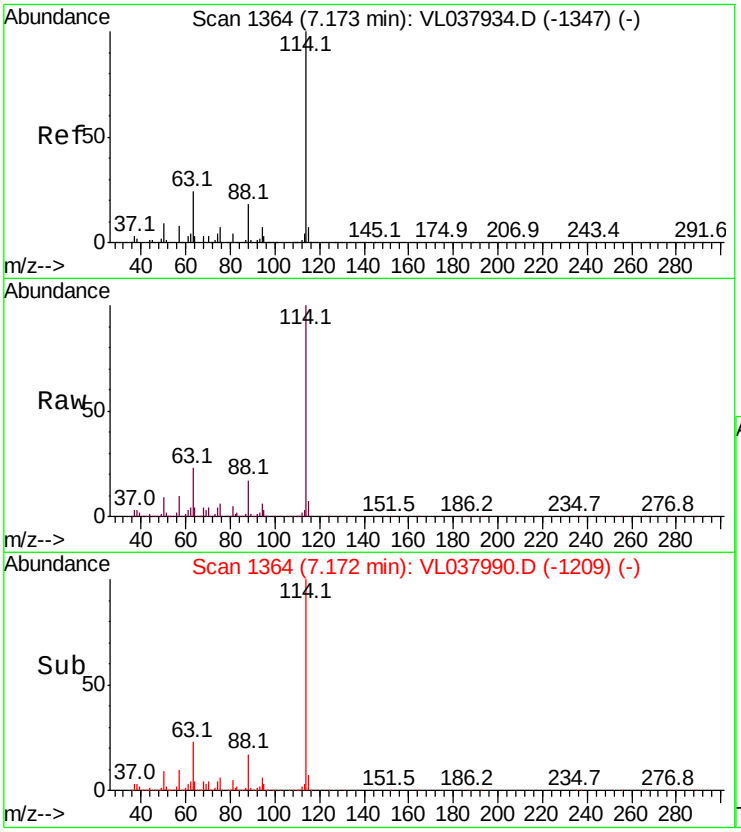


#26
Hexane
Concen: 3.287 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

Tgt Ion: 57 Resp: 492960

Ion	Ratio	Lower	Upper
57	100		
41	96.2	71.0	106.6
43	91.2	173.0	259.6#
56	57.0	43.6	65.4



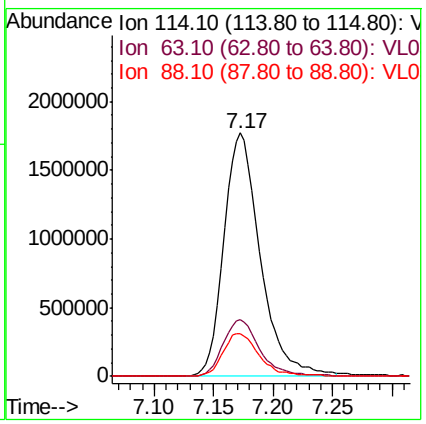


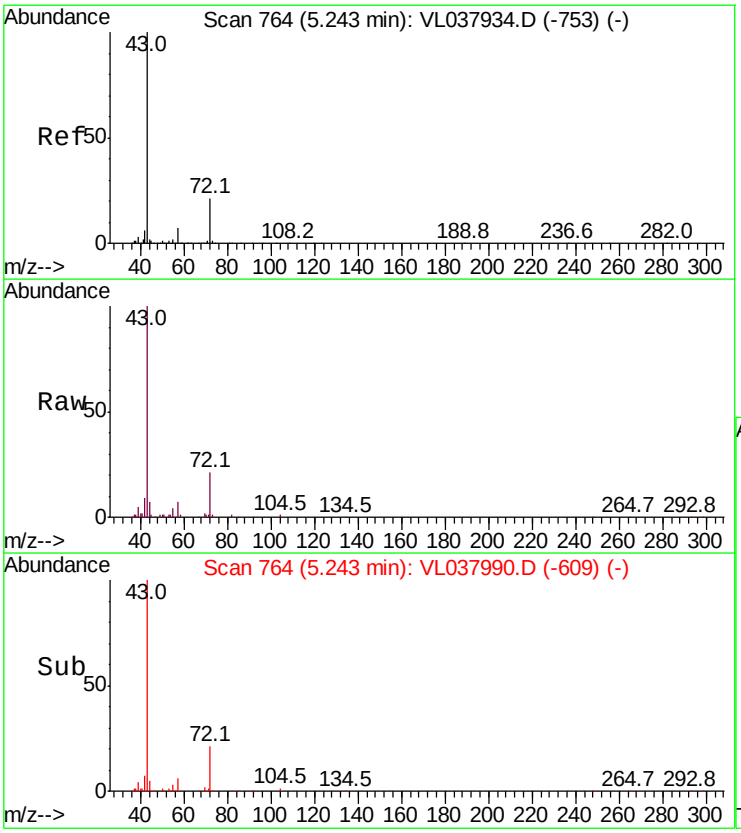
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17
Delta R.T
Lab File:
Acq: 9 Nov 2021 22:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 3751738

Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.4	29.0
88	17.8	14.2	21.4

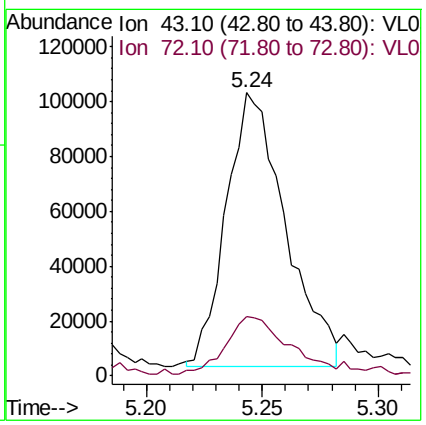


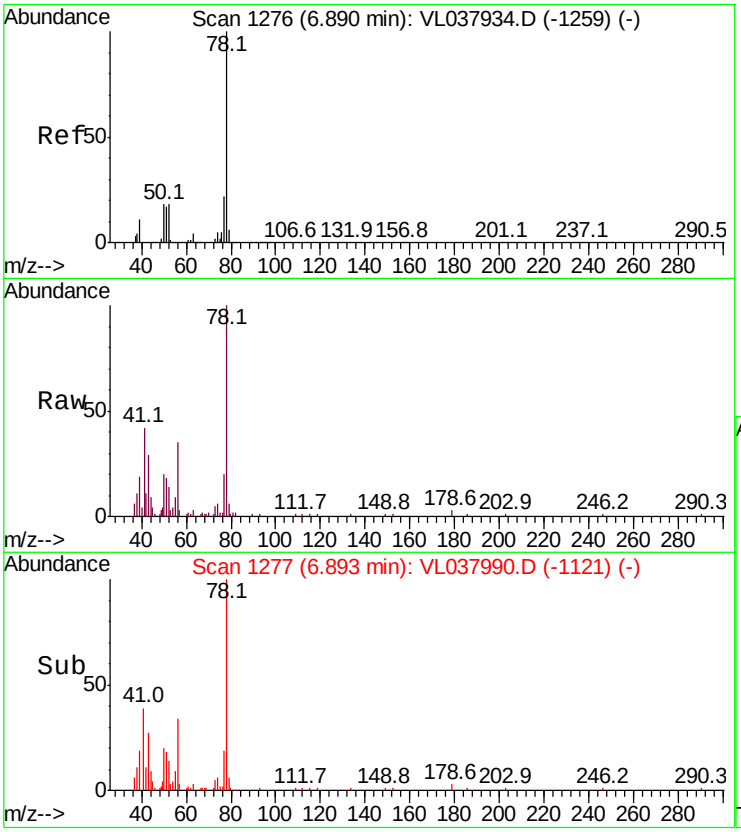


#34
2-Butanone
Concen: 1.278 ppbv
RT: 5.24 min Scan# 764
Delta R.T. -0.00 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

Tgt Ion: 43 Resp: 177661

Ion	Ratio	Lower	Upper
43	100		
72	26.1	18.3	27.5



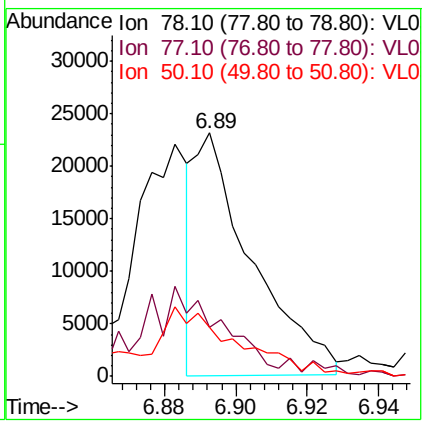


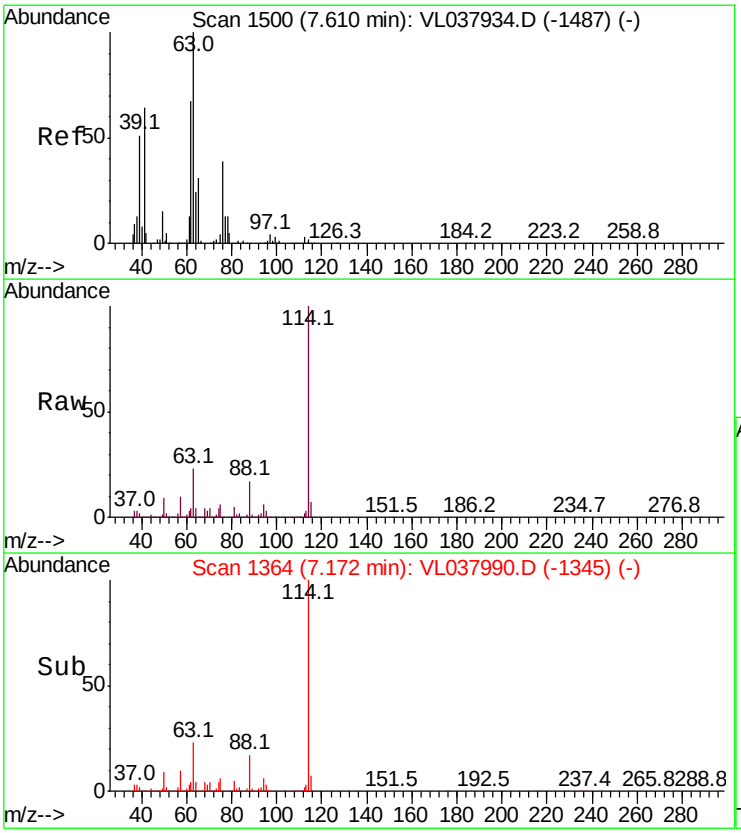
#36
Benzene
Concen: 0.084 ppbv
RT: 6.89
Delta R.T
Lab File:
Acq: 9 Nov 2021 22:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 25543

Ion	Ratio	Lower	Upper
78	100		
77	16.8	17.9	26.9#
50	19.1	14.4	21.6

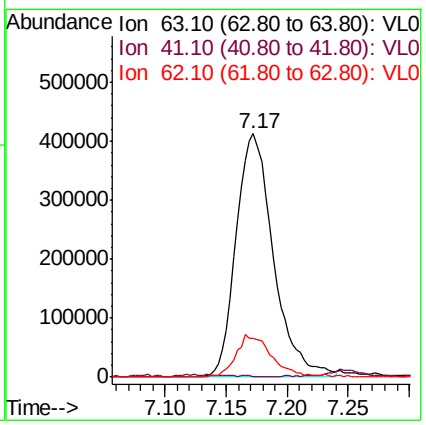


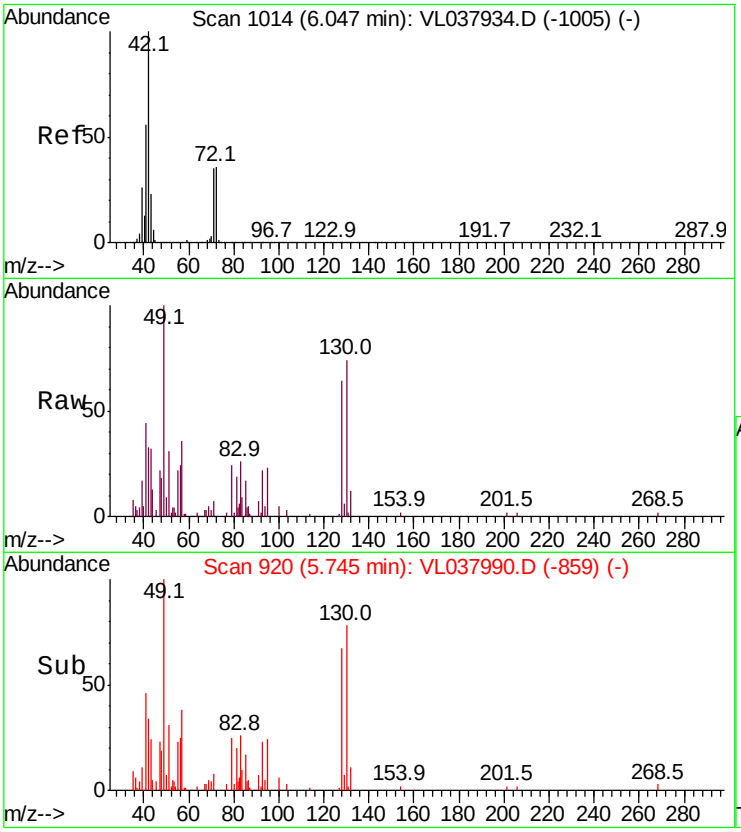


#39
1,2-Dichloropropane
Concen: 7.621 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.44 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

Tgt Ion: 63 Resp: 876156

Ion	Ratio	Lower	Upper
63	100		
41	0.0	51.6	77.4#
62	16.1	53.5	80.3#



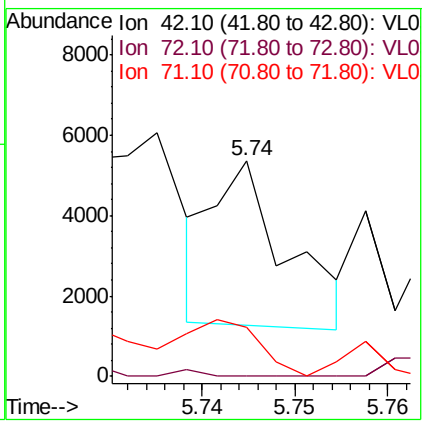


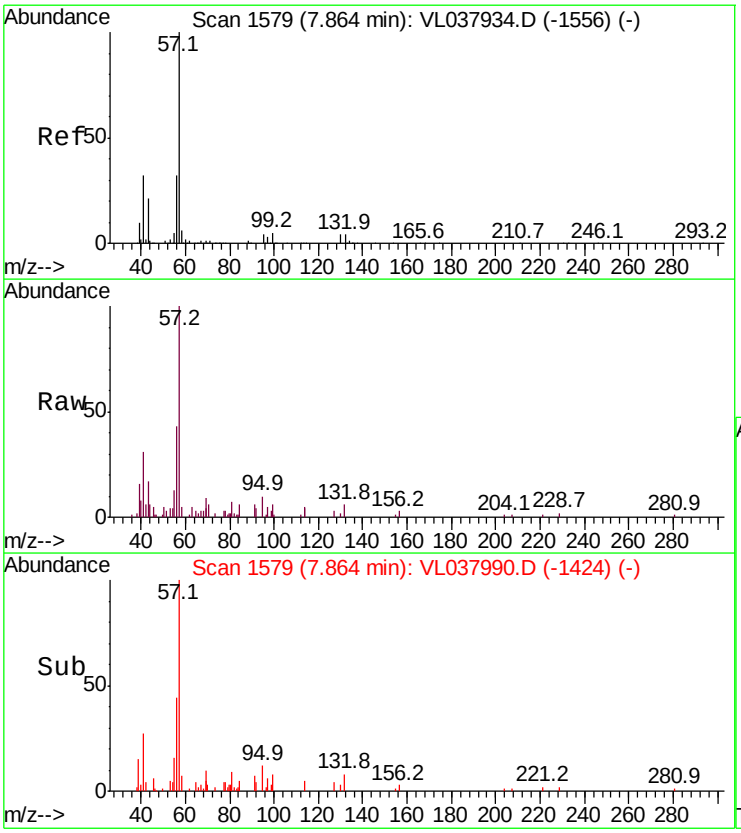
#41
Tetrahydrofuran
Concen: 0.033 ppbv
RT: 5.74
Delta R.T
Lab File:
Acq: 9 Nov 2021 22:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 2243

Ion	Ratio	Lower	Upper
42	100		
72	8.0	31.5	47.3#
71	0.0	30.5	45.7#

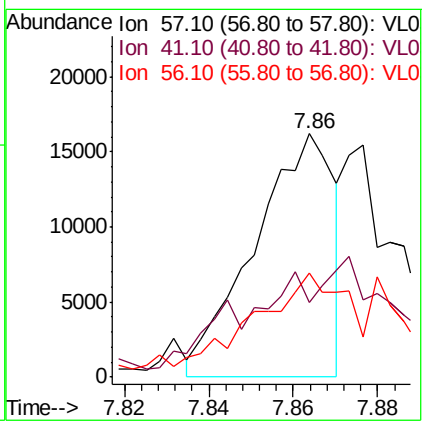


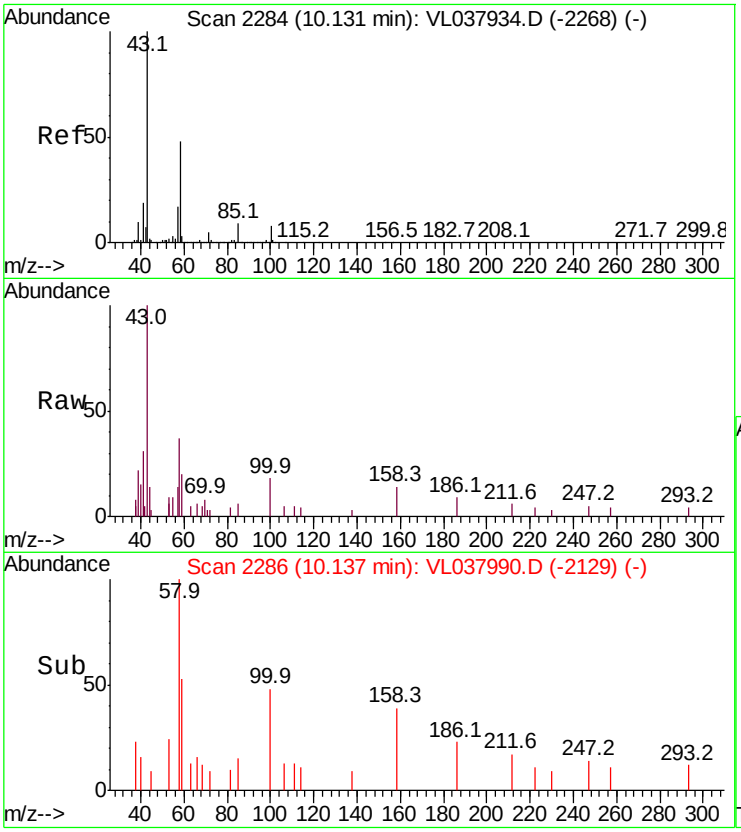


#44
2,2,4-Trimethylpentane
Concen: 0.041 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.00 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

Tgt Ion: 57 Resp: 21268

Ion	Ratio	Lower	Upper
57	100		
41	0.0	25.8	38.8#
56	80.9	25.9	38.9#



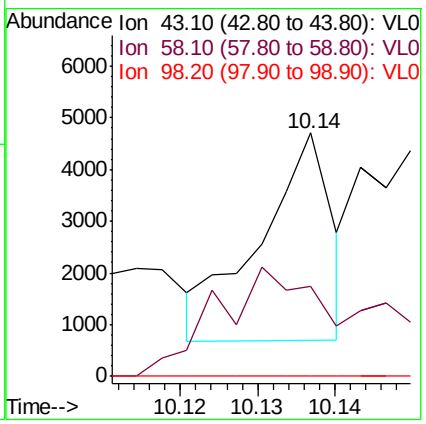


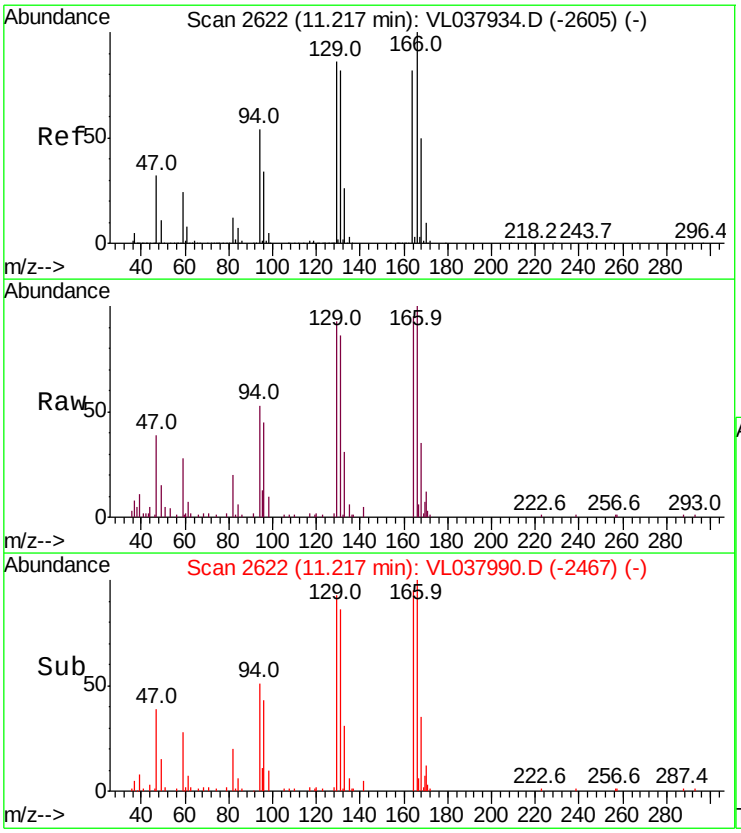
#51
2-Hexanone
Concen: 0.034 ppbv
RT: 10.14
Delta R.T
Lab File:
Acq: 9 Nov 2021 22:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2596

Ion	Ratio	Lower	Upper
43	100		
58	170.4	38.6	57.8#
98	0.0	1.0	1.4#

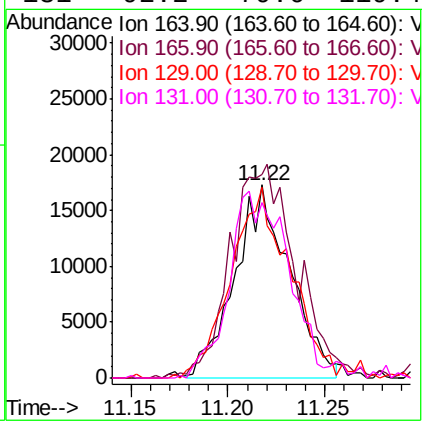


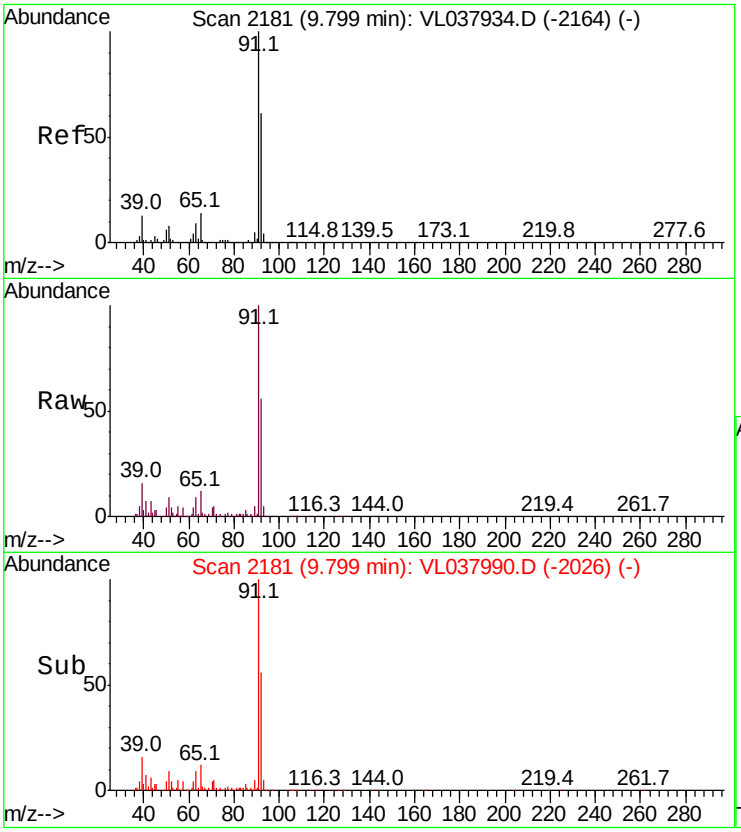


#52
Tetrachloroethene
Concen: 0.296 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

Tgt Ion:164 Resp: 34261

Ion	Ratio	Lower	Upper
164	100		
166	105.2	97.6	146.4
129	98.7	84.2	126.2
131	92.2	79.6	119.4



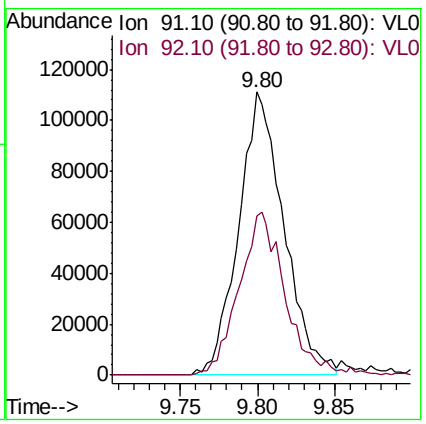


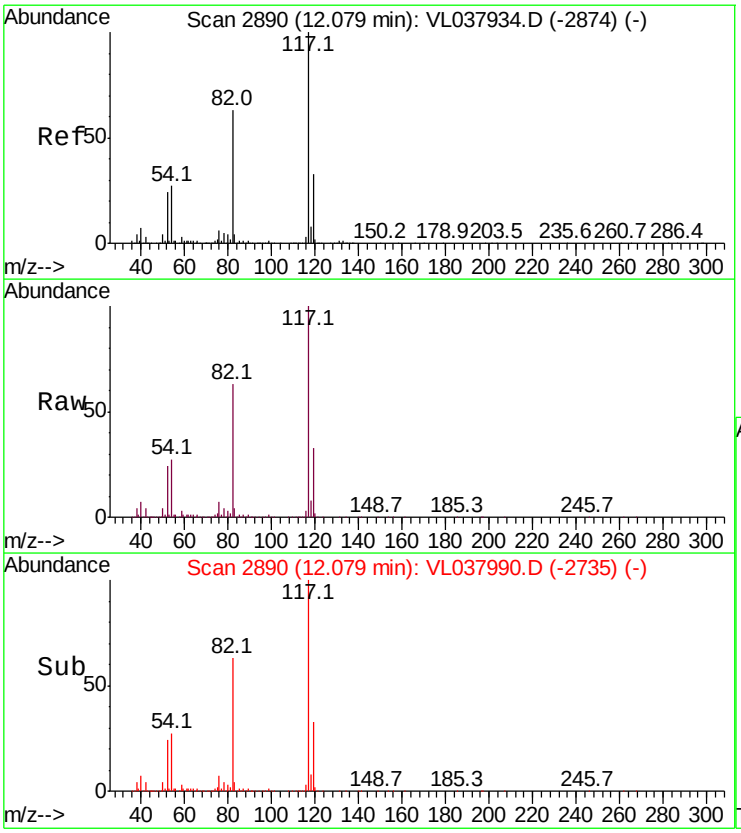
#53
Toluene
Concen: 0.691 ppbv
RT: 9.80
Delta R.T
Lab File:
Acq: 9 Nov 2021 22:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 226451

Ion	Ratio	Lower	Upper
91	100		
92	58.8	48.2	72.4

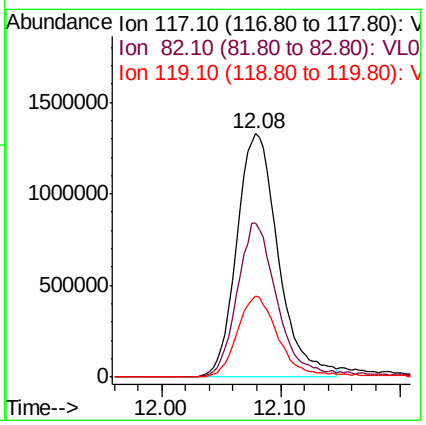


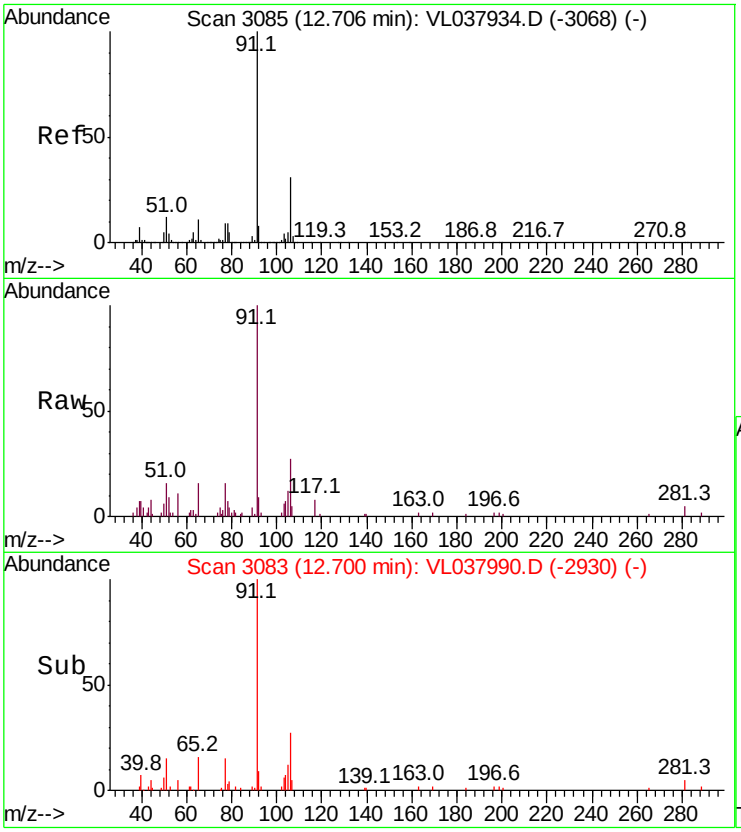


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.00 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

Tgt Ion:117 Resp: 3206436

Ion	Ratio	Lower	Upper
117	100		
82	63.9	51.0	76.6
119	33.6	26.9	40.3



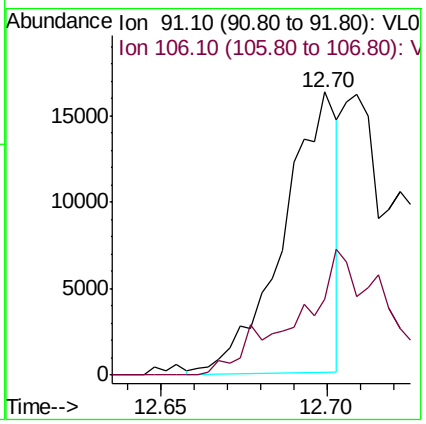


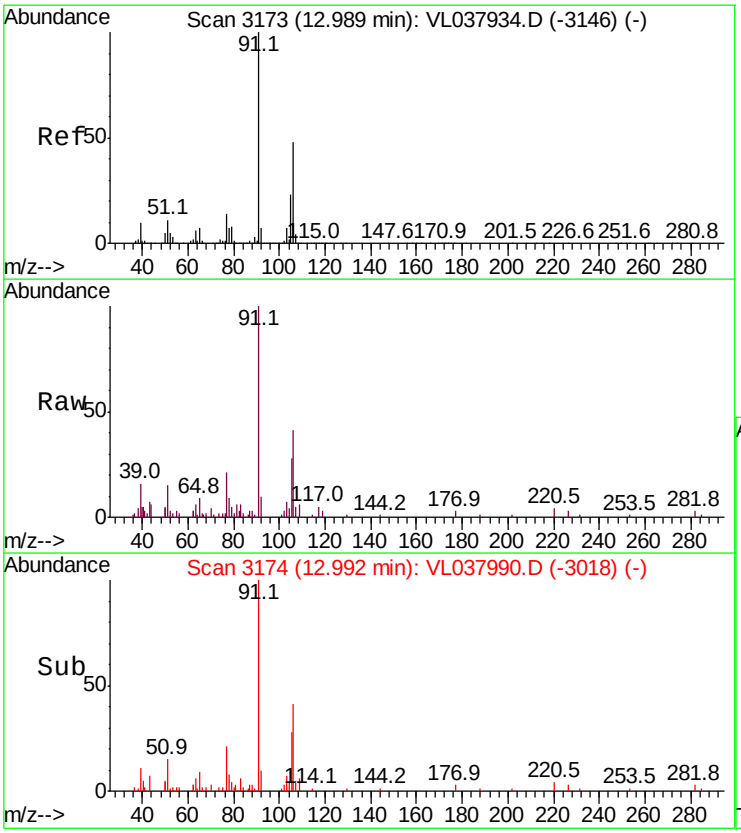
#58
Ethyl Benzene
Concen: 0.047 ppbv
RT: 12.70
Delta R.T
Lab File:
Acq: 9 Nov 2021 22:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 18471

Ion	Ratio	Lower	Upper
91	100		
106	27.3	25.1	37.7

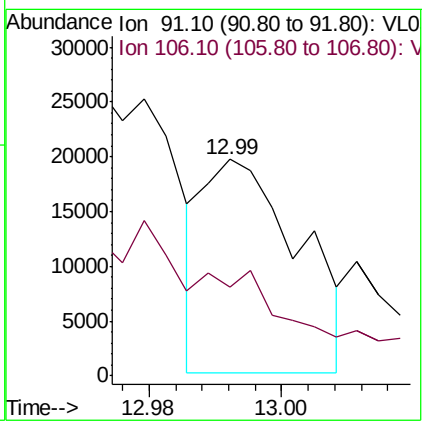


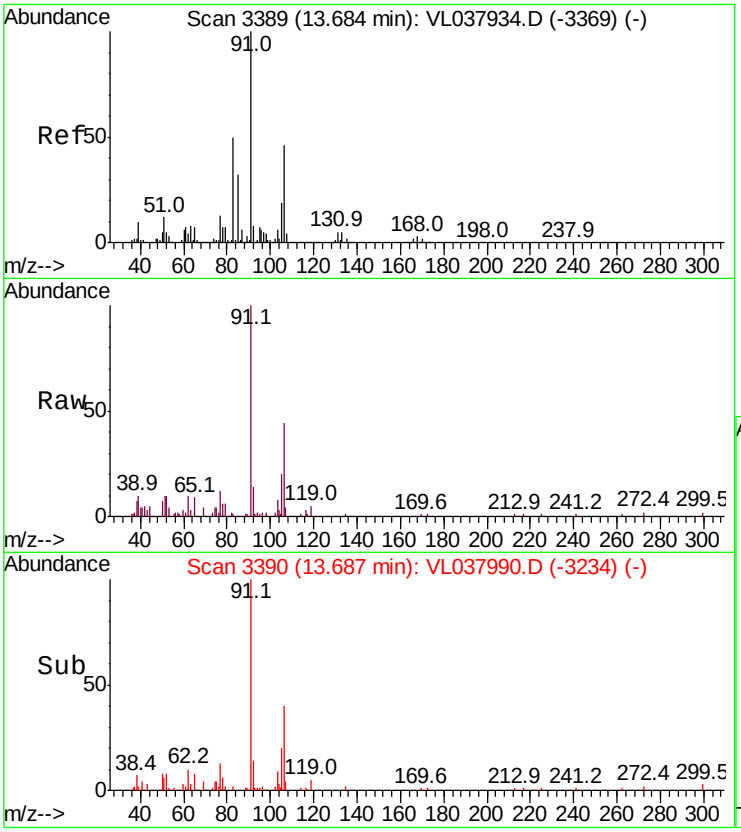


#59
m/p-Xylene
Concen: 0.056 ppbv
RT: 12.99 min Scan# 3174
Delta R.T. 0.00 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

Tgt Ion: 91 Resp: 19582

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.1	55.7#



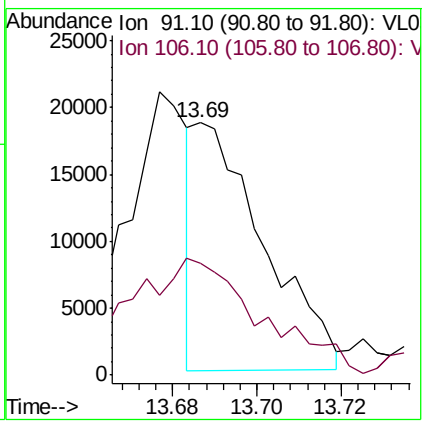


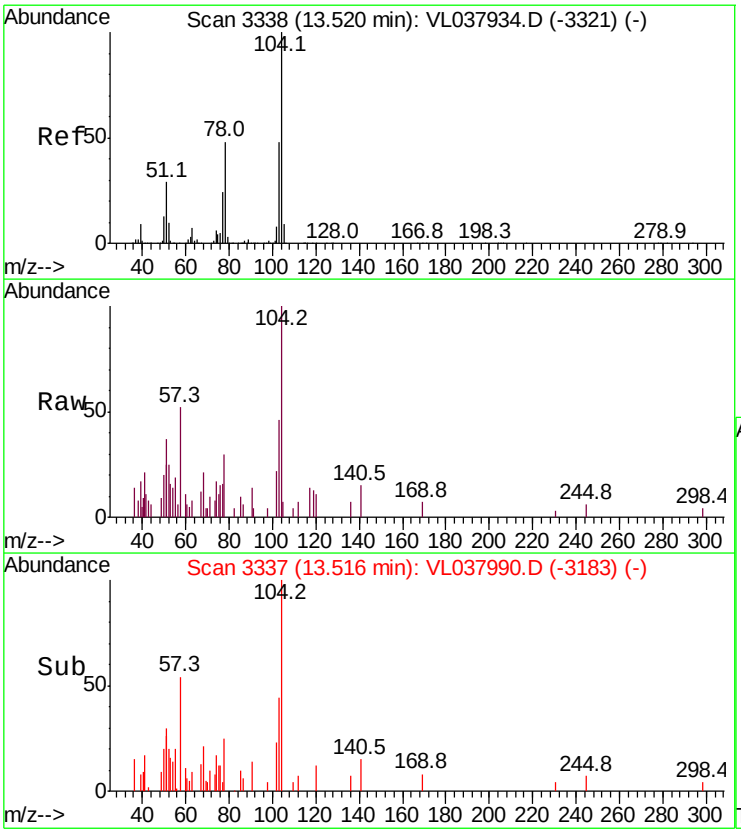
#60
o-Xylene
Concen: 0.063 ppbv
RT: 13.69
Delta R.T
Lab File:
Acq: 9 Nov 2021 22:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 20836

Ion	Ratio	Lower	Upper
91	100		
106	101.3	23.5	70.6#

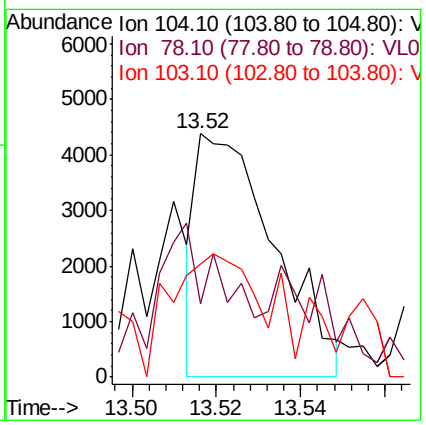


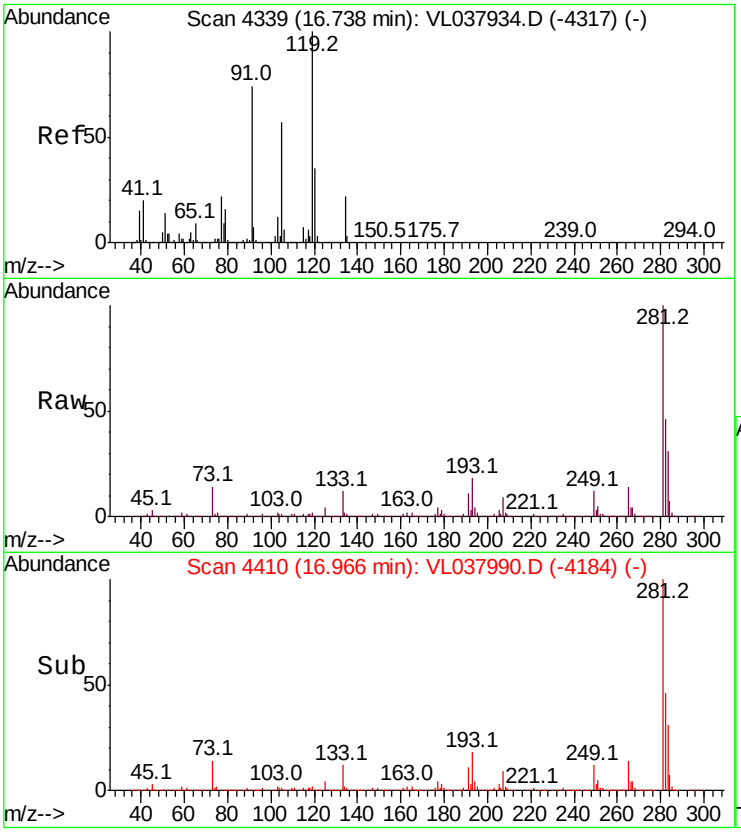


#61
Styrene
Concen: 0.038 ppbv
RT: 13.52 min Scan# 3337
Delta R.T. -0.00 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

Tgt Ion:104 Resp: 5675

Ion	Ratio	Lower	Upper
104	100		
78	0.0	39.3	58.9#
103	92.1	39.6	59.4#



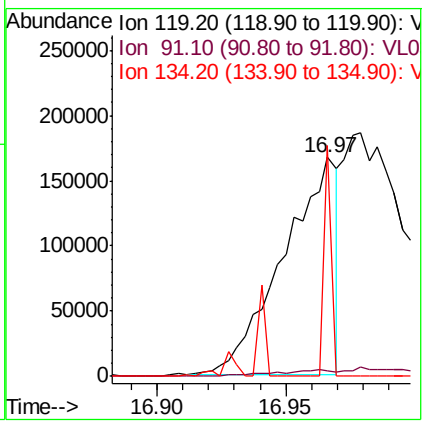


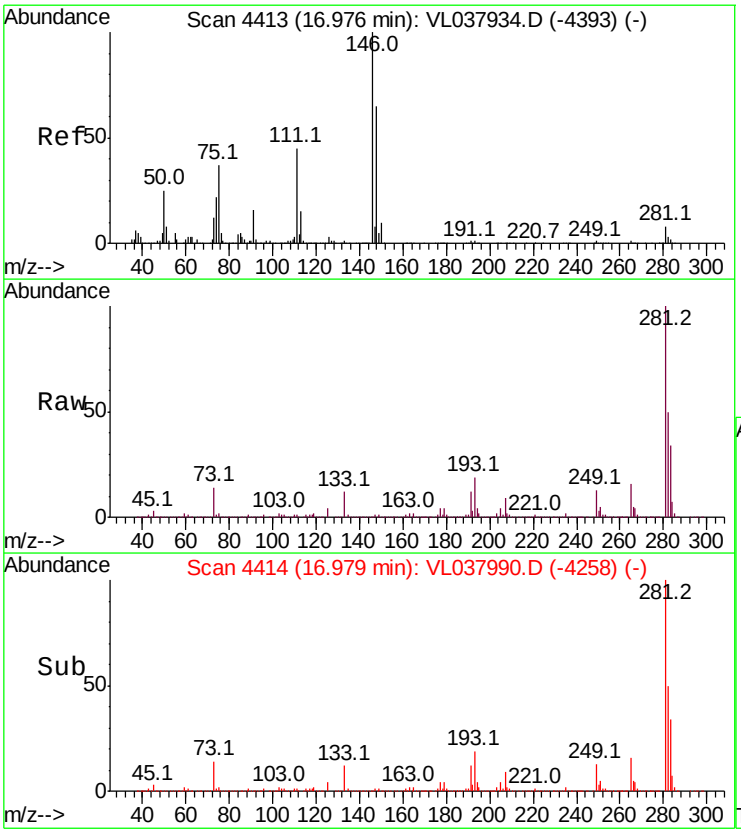
#65
tert-Butylbenzene
Concen: 0.589 ppbv
RT: 16.97
Delta R.T
Lab File:
Acq: 9 Nov 2021 22:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 242360

Ion	Ratio	Lower	Upper
119	100		
91	0.3	61.8	92.6#
134	8.5	16.6	25.0#

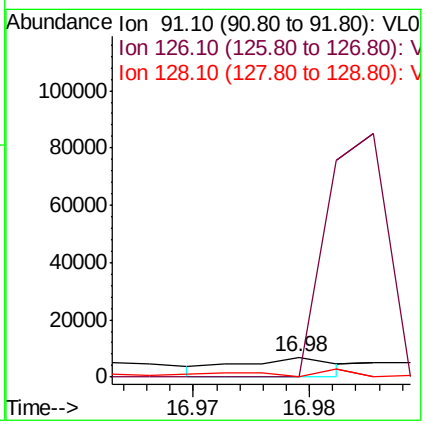


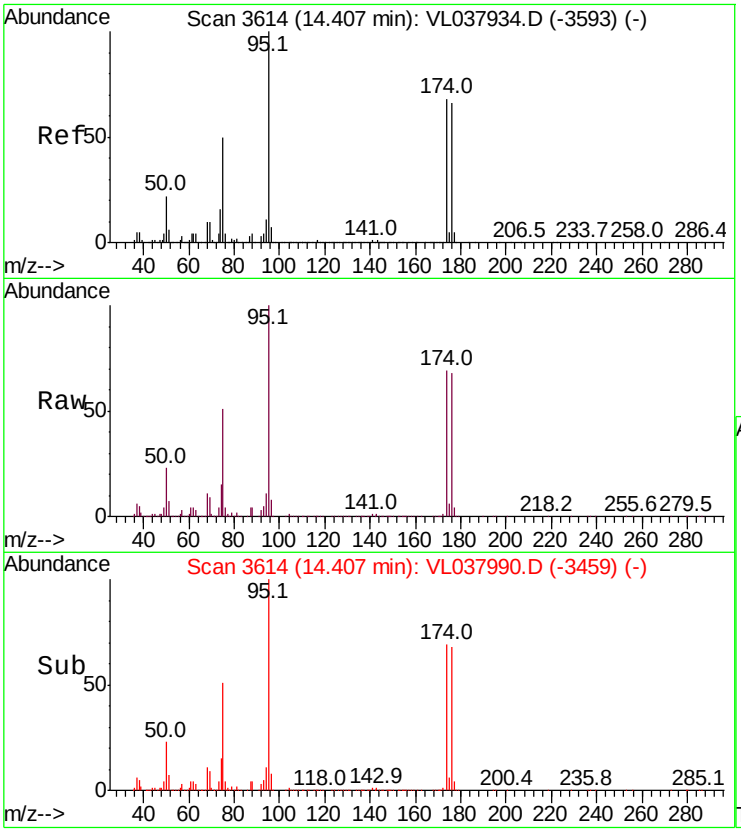


#66
Benzyl Chloride
Concen: 0.180 ppbv
RT: 16.98 min Scan# 4414
Delta R.T. 0.00 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

Tgt Ion: 91 Resp: 3865

Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.8	20.6#
128	0.0	5.1	7.7#



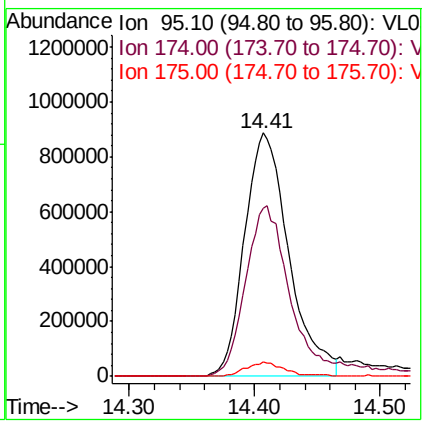


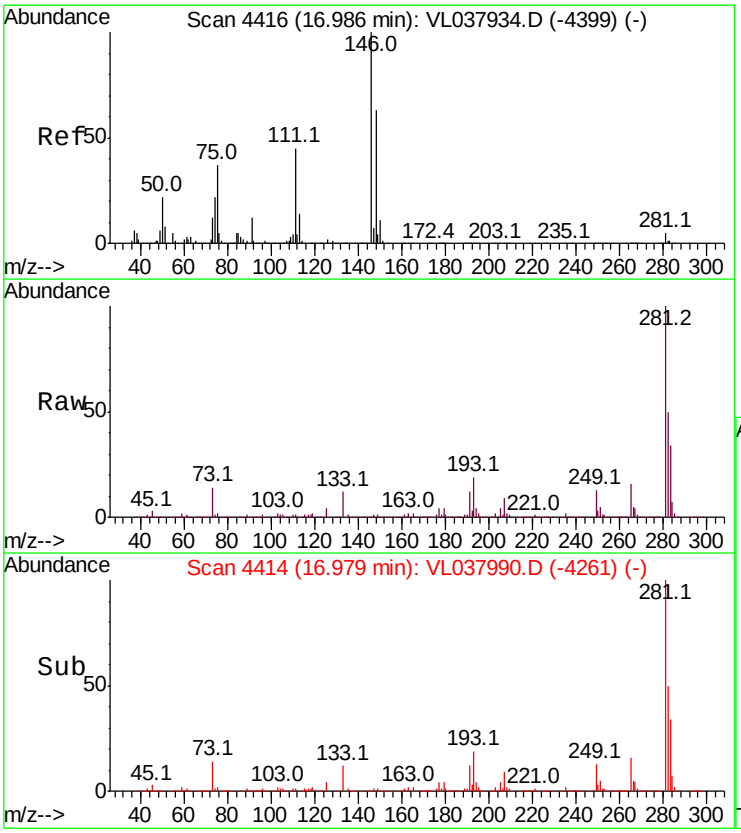
#68
1-Bromo-4-Fluorobenzene
Concen: 9.366 ppbv
RT: 14.41
Delta R.T
Lab File:
Acq: 9 Nov 2021 22:07

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2183055

Ion	Ratio	Lower	Upper
95	100		
174	76.6	58.3	87.5
175	5.5	4.6	6.8





#75
1,3-Dichlorobenzene
Concen: 0.052 ppbv
RT: 16.98 min Scan# 4414
Delta R.T. -0.01 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

Tgt Ion:146 Resp: 11930

Ion	Ratio	Lower	Upper
146	100		
111	1719.5	22.7	68.1#
148	709.6	32.4	97.0#