Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030122\
Data File : VL038470.D
Acq On : 2 Mar 2022 3:35
Operator : SY/AP
Sample : N1723-03DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : FSG1DL

Quant Time: Mar 02 04:57:13 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	5.67	49	918338	10.00	ppbv		0.03
33) 1,4-Difluorobenzene	7.18	114	2363615	10.00	ppbv		0.03
55) Chlorobenzene-d5	12.09	117	2055815	10.00	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.41	95	1588117	9.34	ppbv		0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	6513	0.04	ppbv	#	87
3) Chlorodifluoromethane	2.97	51	11393	0.07	ppbv	#	74
4) Chloromethane	3.15	50	3216	0.06	ppbv	#	42
9) Propene	3.21	41	196583	3.67	ppbv		85
10) Heptane	8.12	43	166452	1.28	ppbv		99
11) Trichlorofluoromethane	3.96	101	4995	0.04	ppbv		97
13) Ethanol	3.62	45	26452	4.95	ppbv	#	31
15) Acetone	3.85	43	4370044	55.96	ppbv		99
16) 1,3-Butadiene	3.31	39	121142	2.32	ppbv	#	36
17) tert-Butyl alcohol	4.31	59	162804	2.09	ppbv	#	90
19) Isopropyl Alcohol	3.98	45	16920	0.37	ppbv	#	93
20) Methylene Chloride	4.36	84	32640	0.84	ppbv		87
21) Allyl Chloride	4.38	41	47714	0.72	ppbv	#	37
23) Vinyl Acetate	5.06	43	72345	0.70	ppbv	#	1
25) Ethyl Acetate	5.70	43	172860	0.82	ppbv	#	80
26) Hexane	5.70	57	245138	2.58	ppbv	#	42
27) Carbon Disulfide	4.56	76	23585	0.22	ppbv	#	94
28) Methyl tert-Butyl Ether	5.04	73	7951	0.08	ppbv	#	53
30) Cyclohexane	7.13	84	86848	1.12	ppbv	#	76
32) 1,1,1-Trichloroethane	6.51	97	15199	0.10	ppbv		96
34) 2-Butanone	5.26	43	104186	1.40	ppbv	#	88
36) Benzene	6.89	78	444576	2.14	ppbv		96
39) 1,2-Dichloropropane	7.18	63	591740	7.14	ppbv	#	25
41) Tetrahydrofuran	6.06	42	2520	0.05	ppbv	#	1
44) 2,2,4-Trimethylpentane	7.87	57	508113	1.42	ppbv	#	86
50) 4-Methyl-2-Pentanone	8.76	43	7204	0.05	ppbv	#	1
51) 2-Hexanone	10.14	43	2009	0.03	ppbv	#	1
53) Toluene	9.81	91	1051376	4.65	ppbv		100
58) Ethyl Benzene	12.71	91	149775	0.53	ppbv		100
59) m/p-Xylene	12.98	91	169367	0.70	ppbv	#	33
61) Styrene	13.54	104	4922	0.05	ppbv	#	1
62) Isopropylbenzene	14.67	105	824922	2.69	ppbv		99

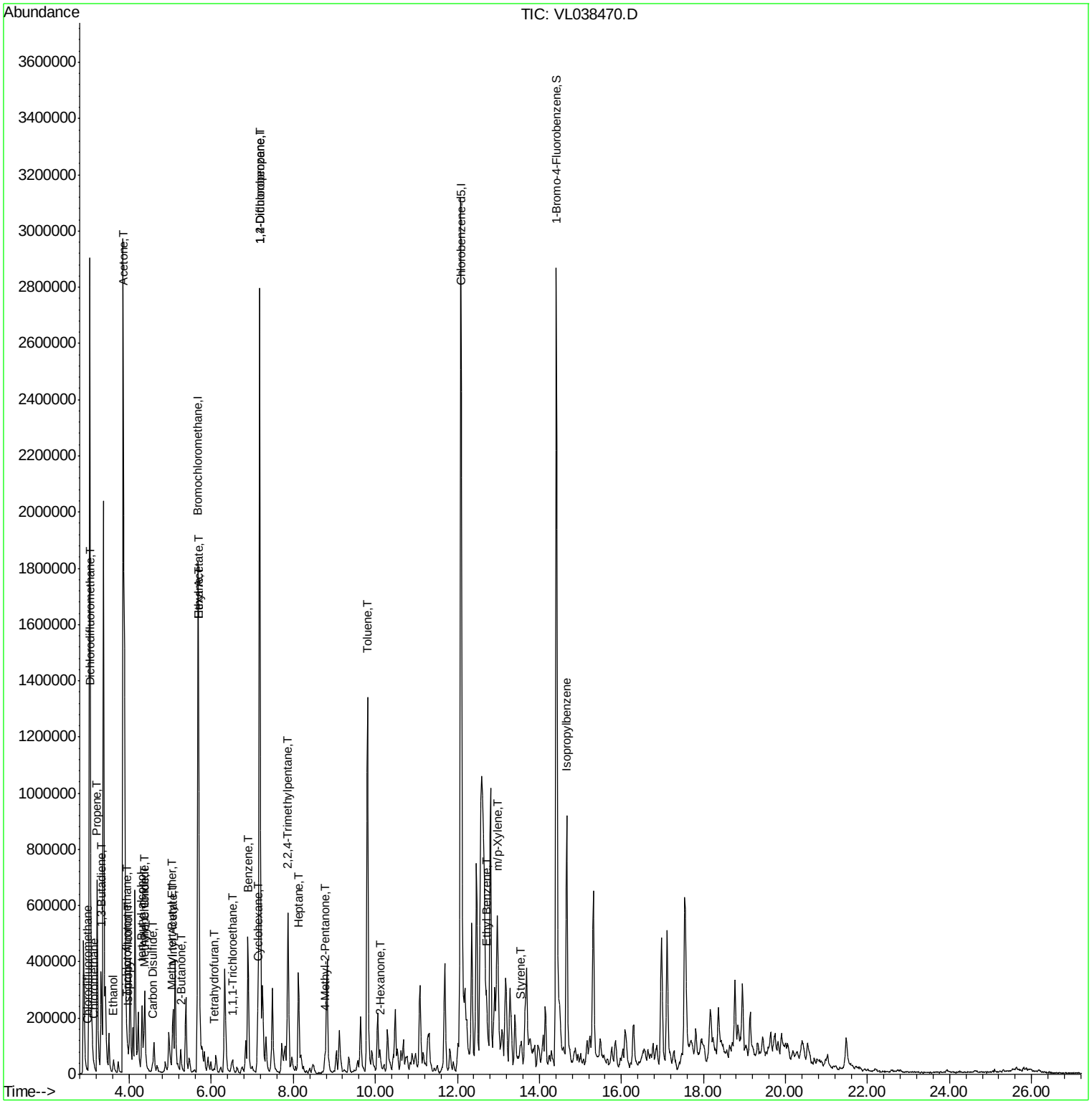
(#) = qualifier out of range (m) = manual integration (+) = signals summed

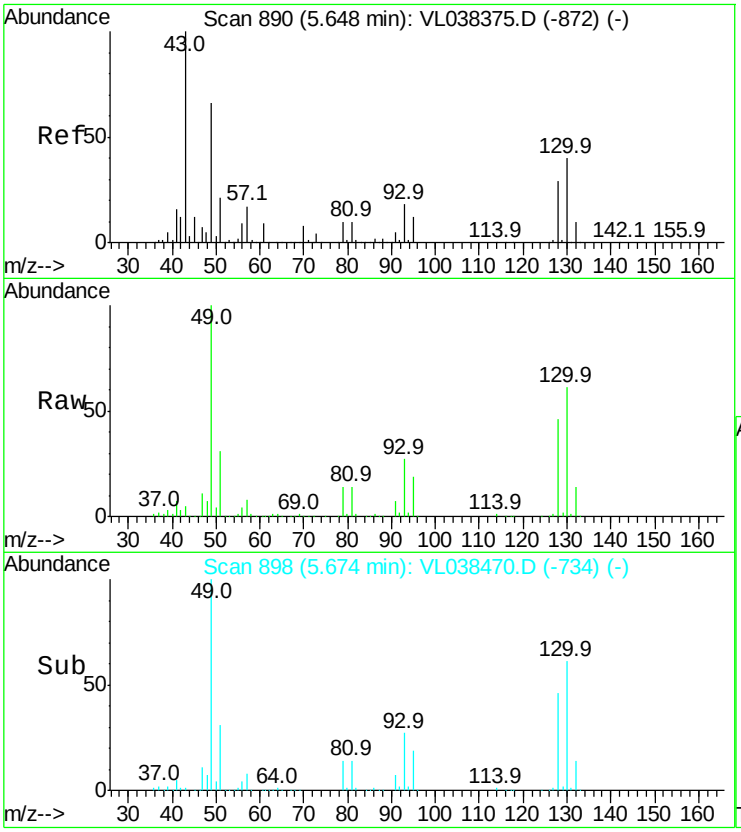
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030122\
Data File : VL038470.D
Acq On : 2 Mar 2022 3:35
Operator : SY/AP
Sample : N1723-03DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
FSG1DL

Quant Time: Mar 02 04:57:13 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



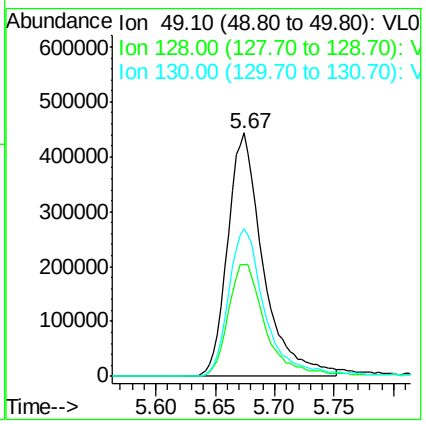


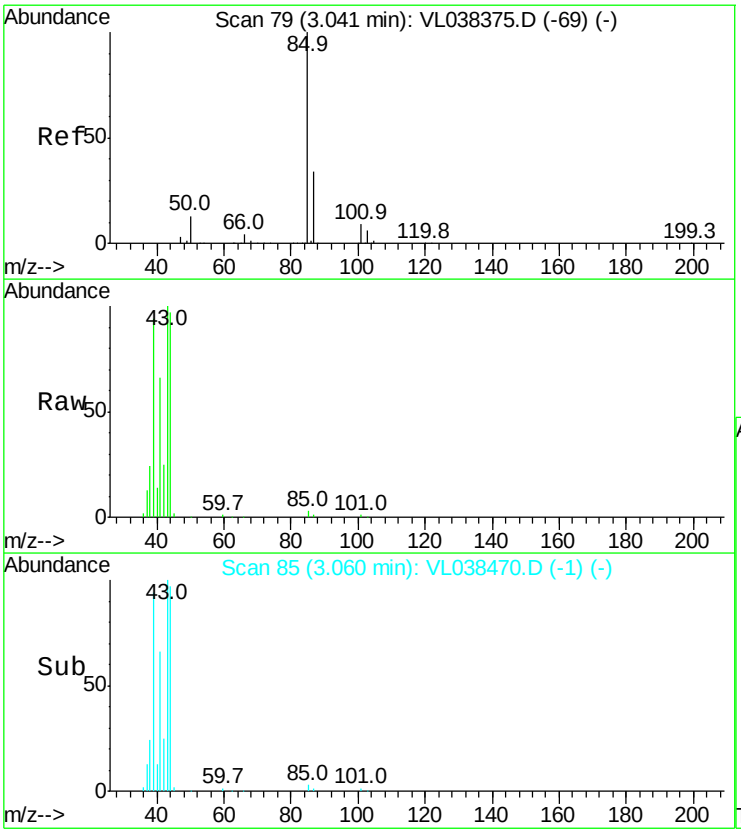
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 2 Mar 2022 3:35

Instrument :
MSVOA_L
ClientSampleId :
FSG1DL

Tgt Ion: 49 Resp: 918338

Ion	Ratio	Lower	Upper
49	100		
128	49.6	24.3	72.9
130	63.2	30.1	90.5

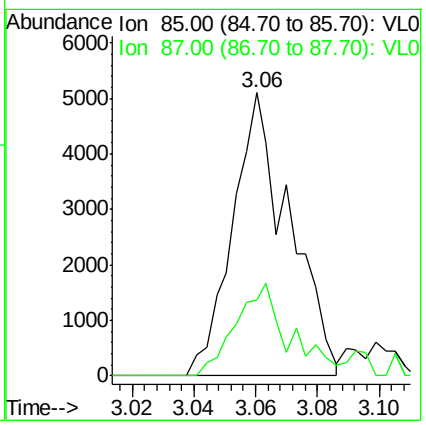


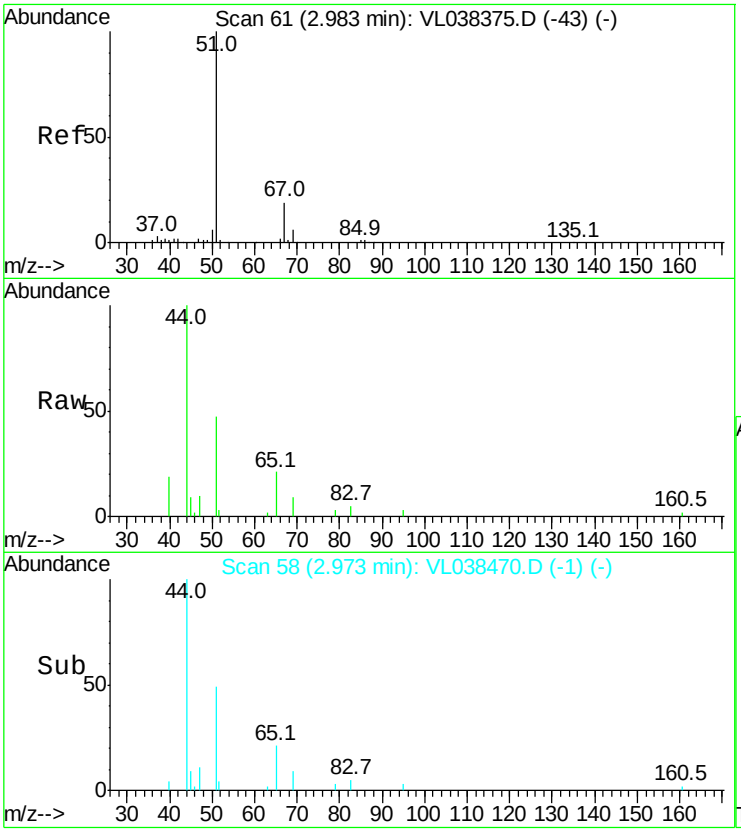


#2
Dichlorodifluoromethane
Concen: 0.04 ppbv
RT: 3.06 min Scan# 85
Delta R.T. 0.02 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

Tgt Ion: 85 Resp: 6513

Ion	Ratio	Lower	Upper
85	100		
87	26.9	27.4	41.0#



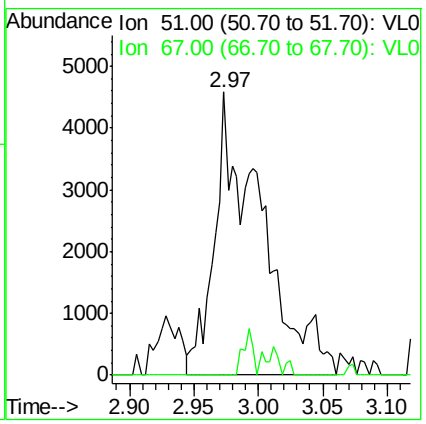


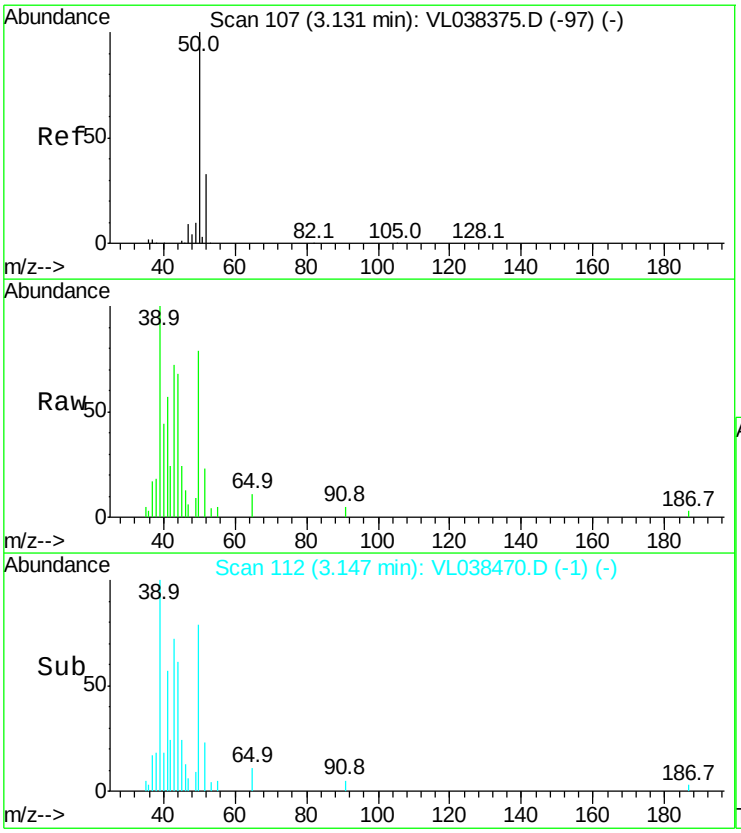
#3
Chlorodifluoromethane
Concen: 0.07 ppbv
RT: 2.97
Delta R.T
Lab File:
Acq: 2 Mar 2022 3:35

Instrument :
MSVOA_L
ClientSampleId :
FSG1DL

Tgt Ion: 51 Resp: 11393

Ion	Ratio	Lower	Upper
51	100		
67	6.8	14.7	22.1#

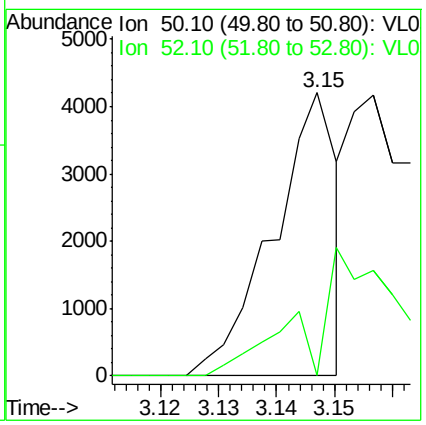


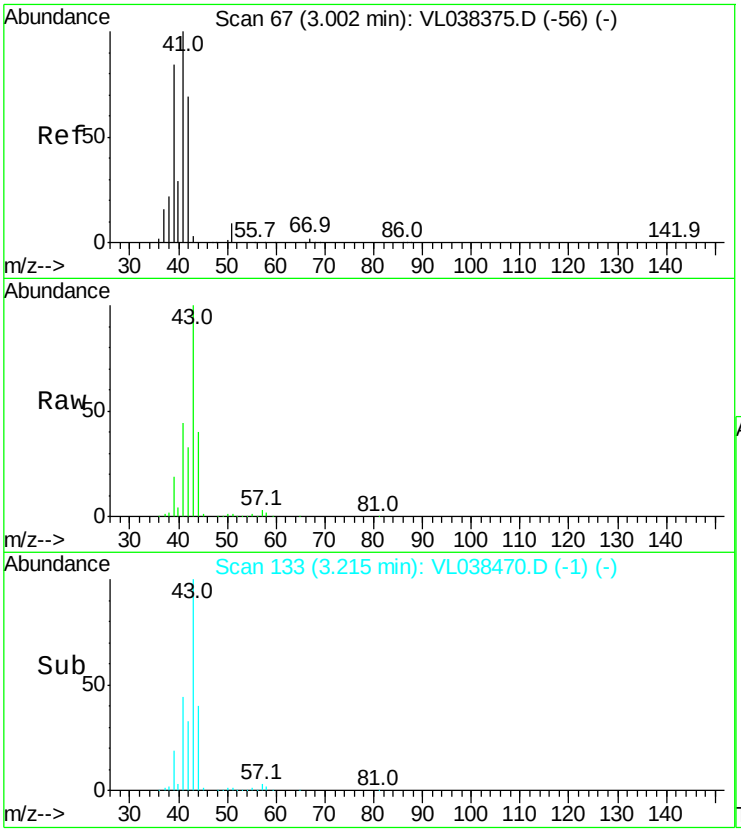


#4
Chloromethane
Concen: 0.06 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.02 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

Tgt Ion: 50 Resp: 3216

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.5	39.7#



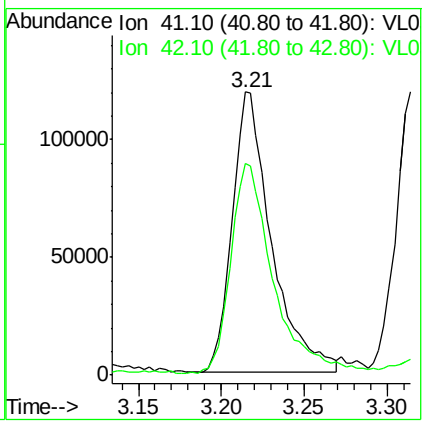


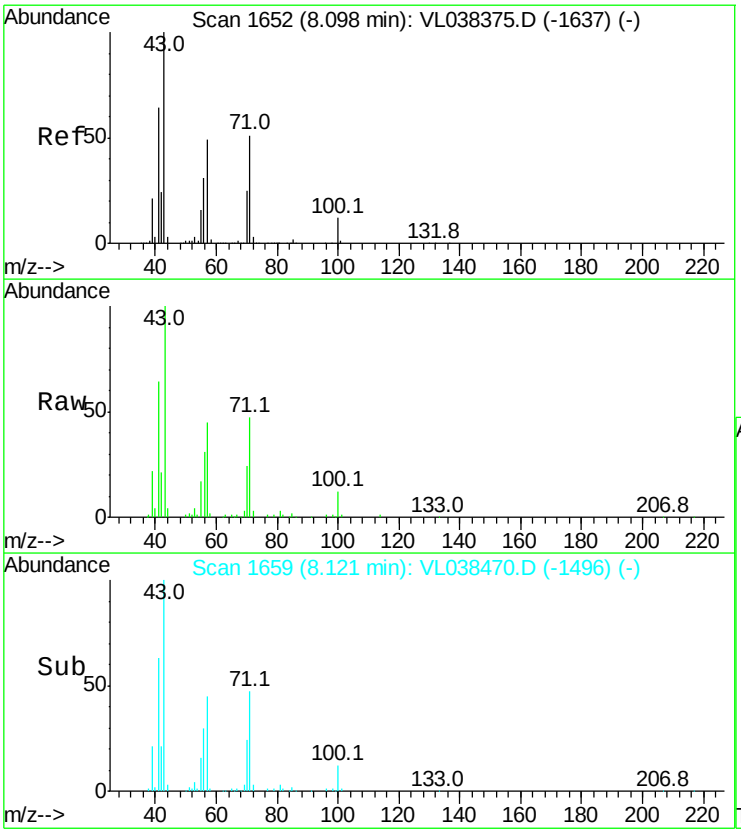
#9
Propene
Concen: 3.67 ppbv
RT: 3.21
Delta R.T
Lab File:
Acq: 2 Mar 2022 3:35

Instrument :
MSVOA_L
ClientSampleId :
FSG1DL

Tgt Ion: 41 Resp: 196583

Ion	Ratio	Lower	Upper
41	100		
42	80.1	54.6	82.0

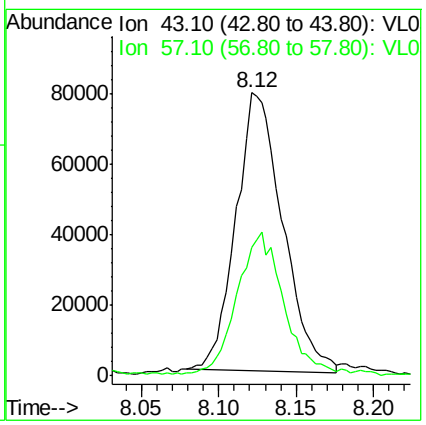


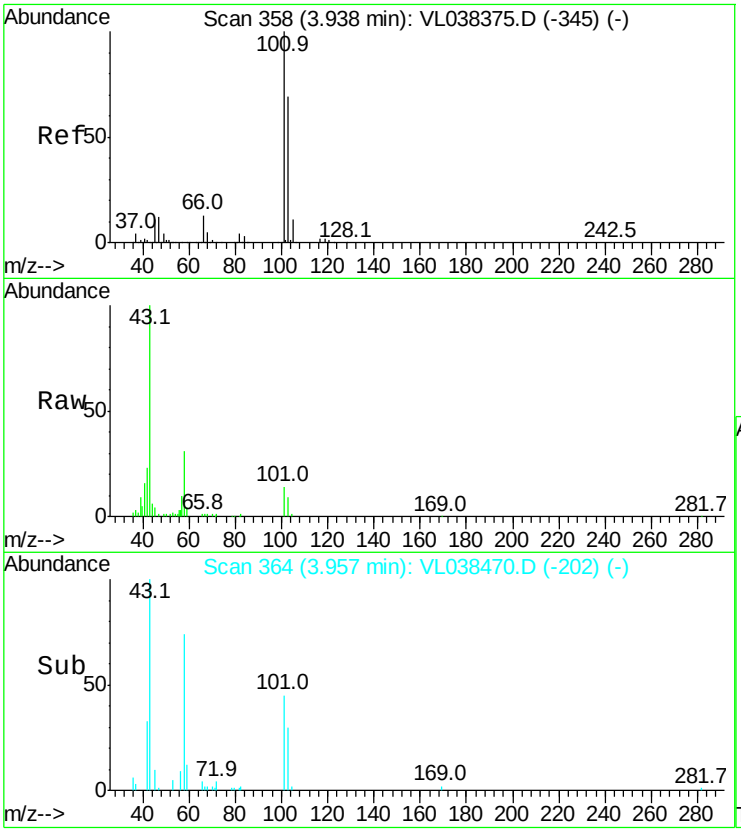


#10
Heptane
Concen: 1.28 ppbv
RT: 8.12 min Scan# 1659
Delta R.T. 0.02 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

Tgt Ion: 43 Resp: 166452

Ion	Ratio	Lower	Upper
43	100		
57	50.8	39.8	59.8



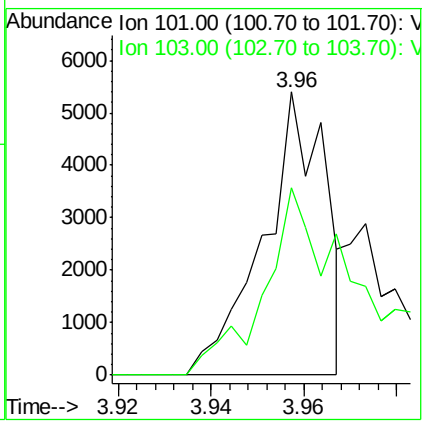


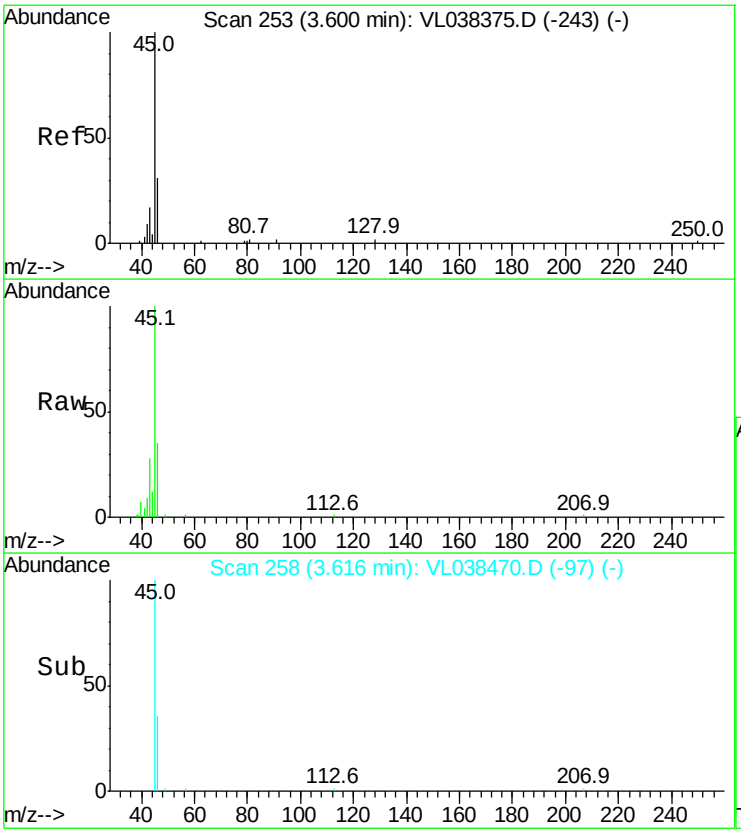
#11
Trichlorofluoromethane
Concen: 0.04 ppbv
RT: 3.96
Delta R.T
Lab File:
Acq: 2 Mar 2022 3:35

Instrument :
MSVOA_L
ClientSampleId :
FSG1DL

Tgt Ion:101 Resp: 4995

Ion	Ratio	Lower	Upper
101	100		
103	66.0	55.0	82.4

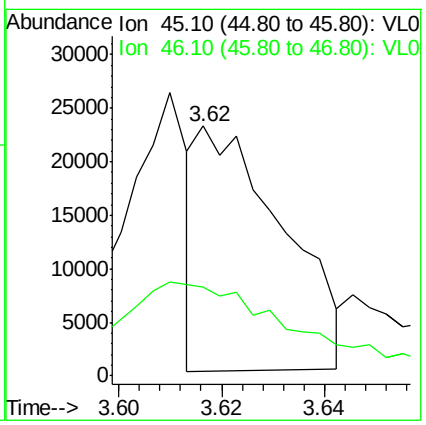


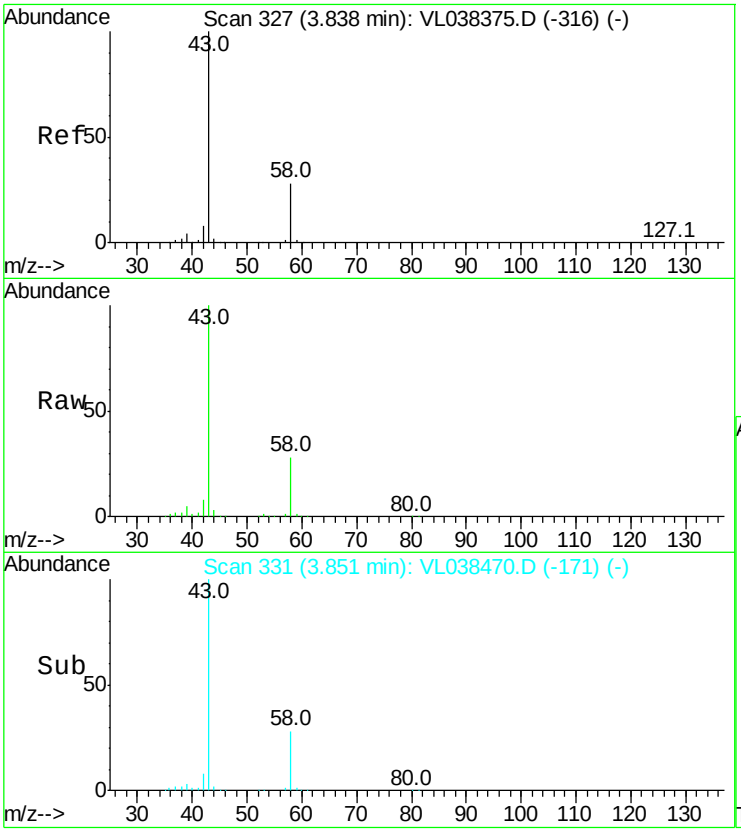


#13
Ethanol
Concen: 4.95 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.02 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

Tgt Ion: 45 Resp: 26452

Ion	Ratio	Lower	Upper
45	100		
46	0.0	18.2	72.8#



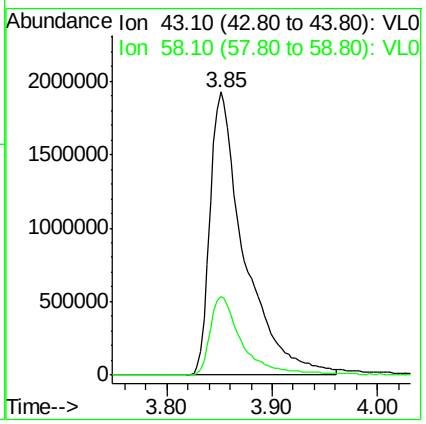


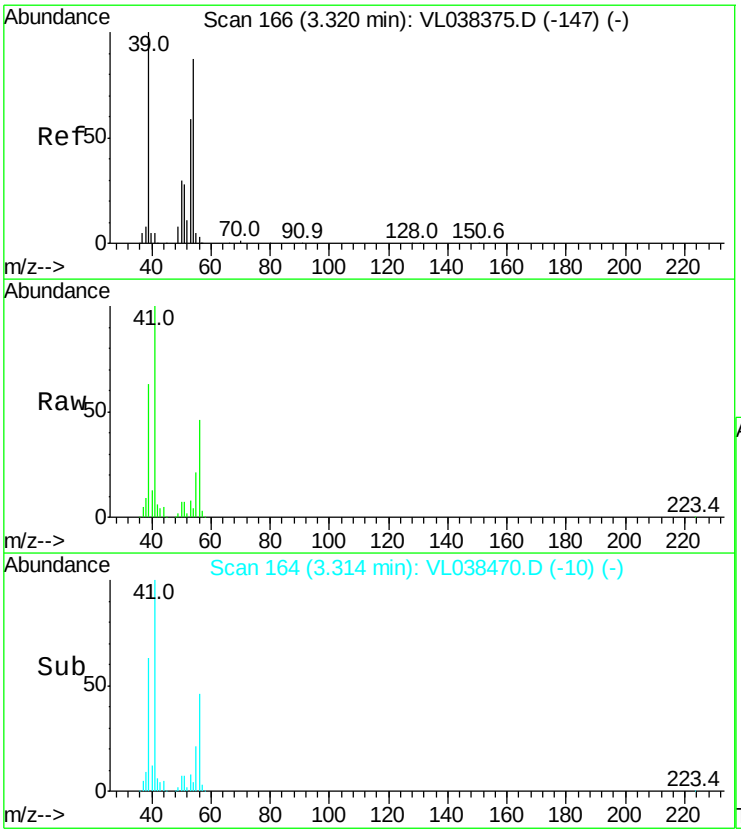
#15
Acetone
Concen: 55.96 ppbv
RT: 3.85
Delta R.T
Lab File:
Acq: 2 Mar 2022 3:35

Instrument :
MSVOA_L
ClientSampleId :
FSG1DL

Tgt Ion: 43 Resp: 4370044

Ion	Ratio	Lower	Upper
43	100		
58	26.8	21.7	32.5

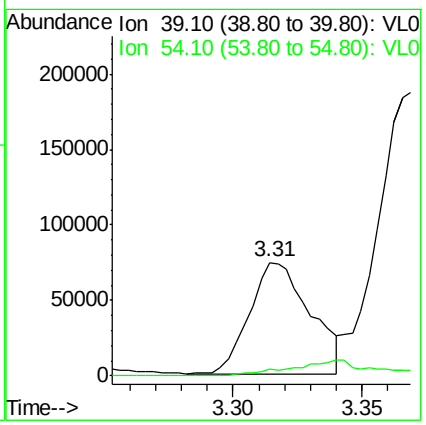


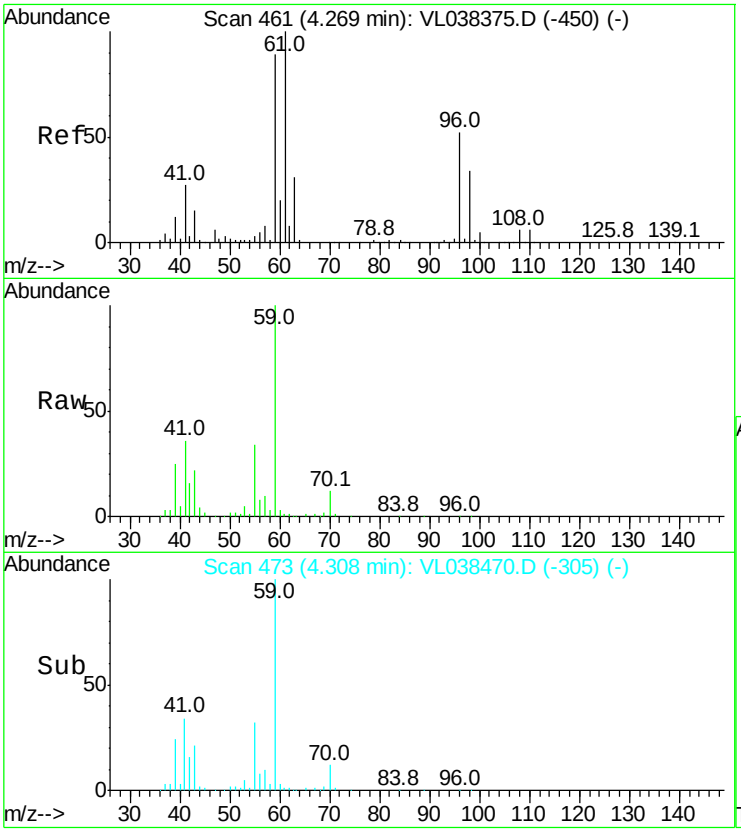


#16
1,3-Butadiene
Concen: 2.32 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.01 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

Tgt Ion: 39 Resp: 121142

Ion	Ratio	Lower	Upper
39	100		
54	20.7	60.3	90.5#



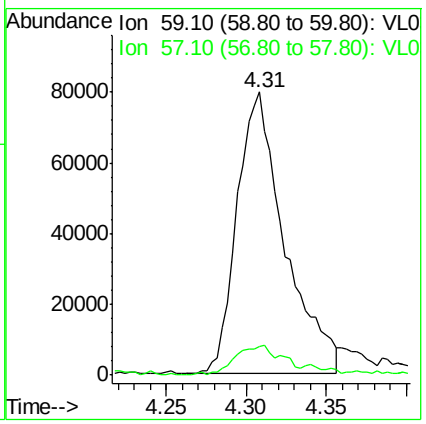


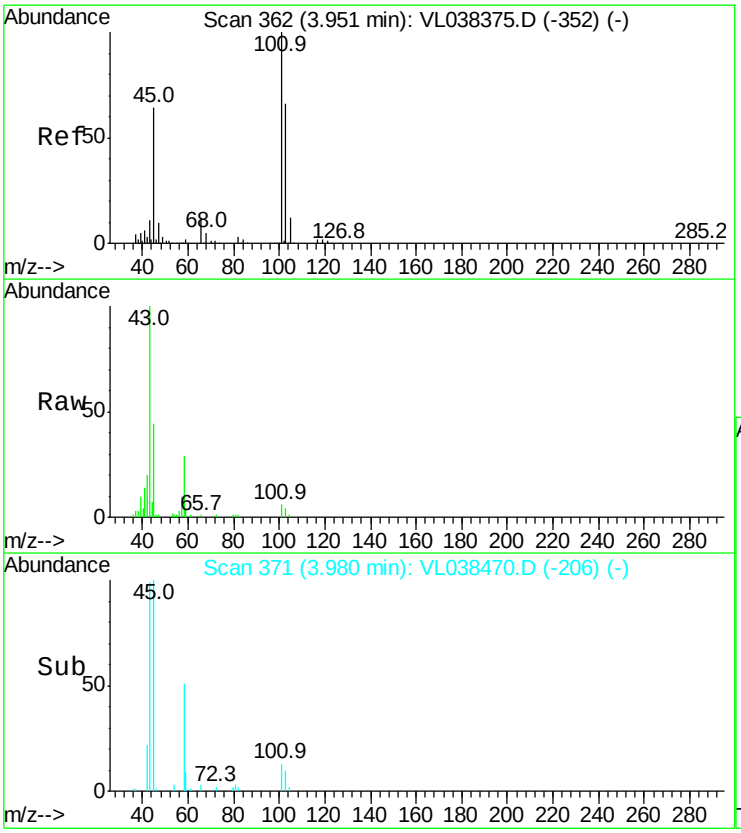
#17
tert-Butyl alcohol
Concen: 2.09 ppbv
RT: 4.31
Delta R.T
Lab File:
Acq: 2 Mar 2022 3:35

Instrument :
MSVOA_L
ClientSampleId :
FSG1DL

Tgt Ion: 59 Resp: 162804

Ion	Ratio	Lower	Upper
59	100		
57	14.1	8.4	12.6#

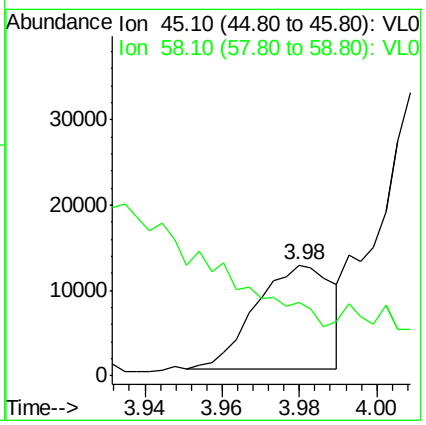


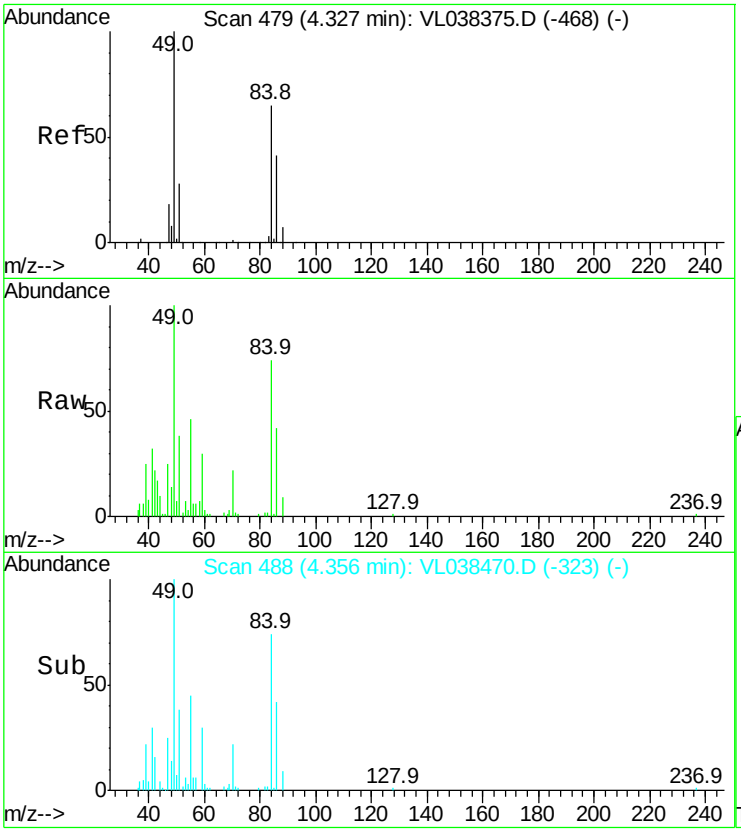


#19
Isopropyl Alcohol
Concen: 0.37 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.03 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

Tgt Ion: 45 Resp: 16920

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.8	2.8#



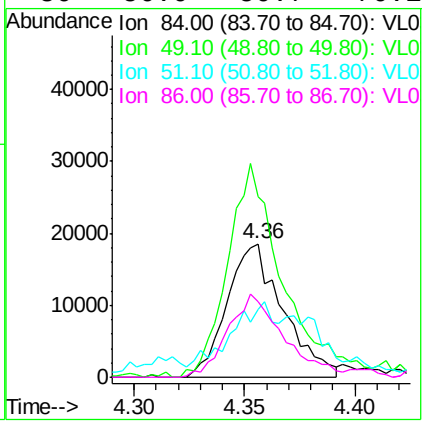


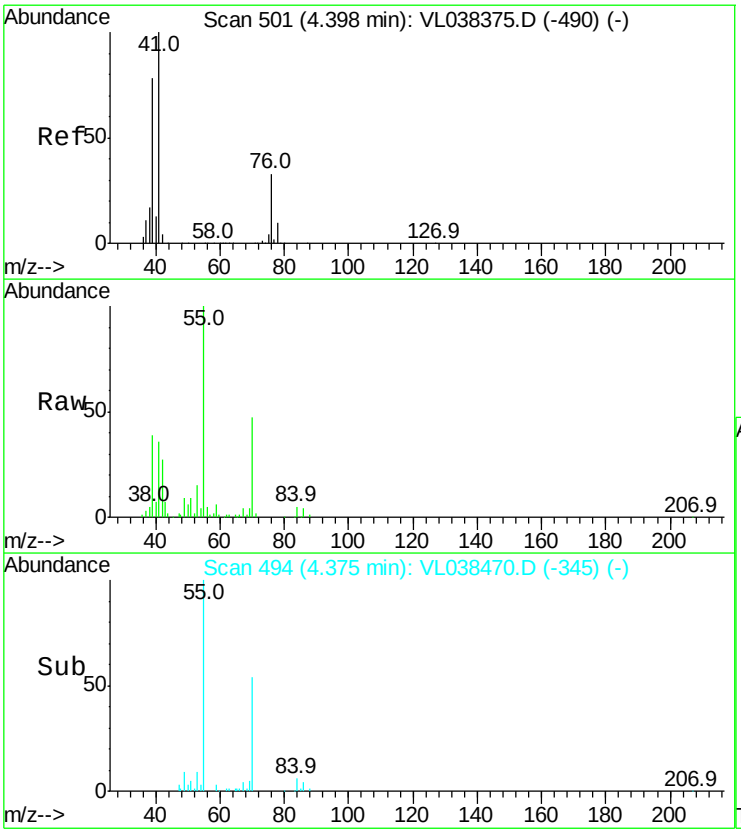
#20
Methylene Chloride
Concen: 0.84 ppbv
RT: 4.36
Delta R.T
Lab File:
Acq: 2 Mar 2022 3:35

Instrument :
MSVOA_L
ClientSampleId :
FSG1DL

Tgt Ion: 84 Resp: 32640

Ion	Ratio	Lower	Upper
84	100		
49	129.8	122.4	183.6
51	42.1	33.3	49.9
86	56.0	50.7	76.1

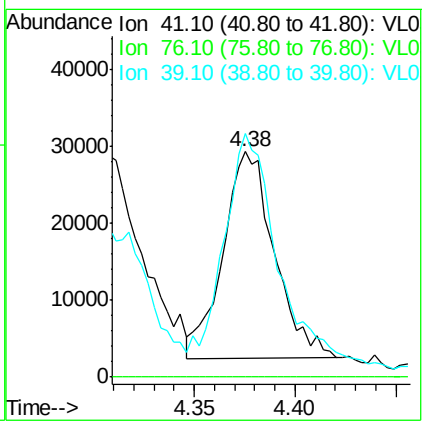


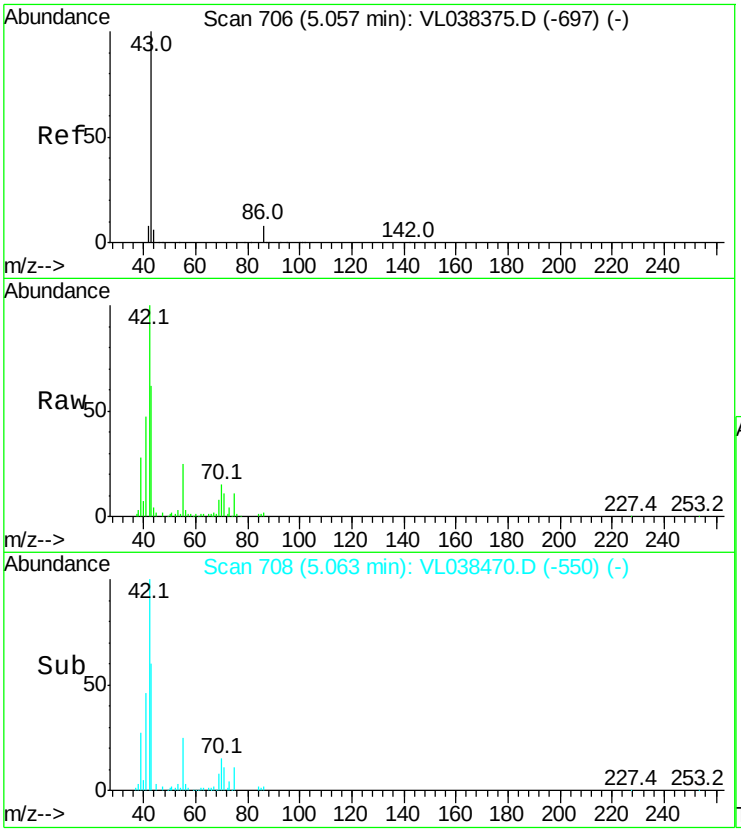


#21
Allyl Chloride
Concen: 0.72 ppbv
RT: 4.38 min Scan# 494
Delta R.T. -0.02 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

Tgt Ion: 41 Resp: 47714

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.4	38.0#
39	135.9	63.0	94.6#



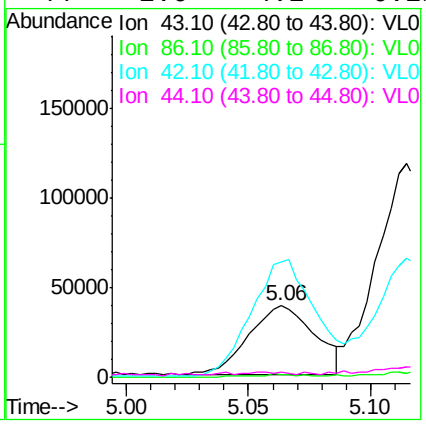


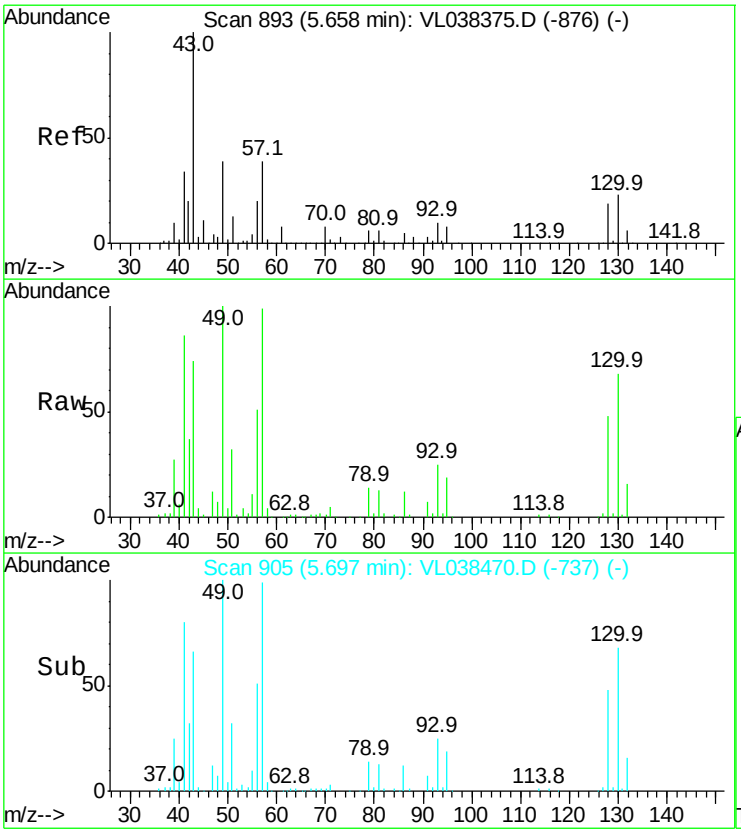
#23
Vinyl Acetate
Concen: 0.70 ppbv
RT: 5.06
Delta R.T
Lab File:
Acq: 2 Mar 2022 3:35

Instrument :
MSVOA_L
ClientSampleId :
FSG1DL

Tgt Ion: 43 Resp: 72345

Ion	Ratio	Lower	Upper
43	100		
86	3.5	5.8	8.6#
42	165.3	7.4	11.0#
44	2.0	4.2	6.2#

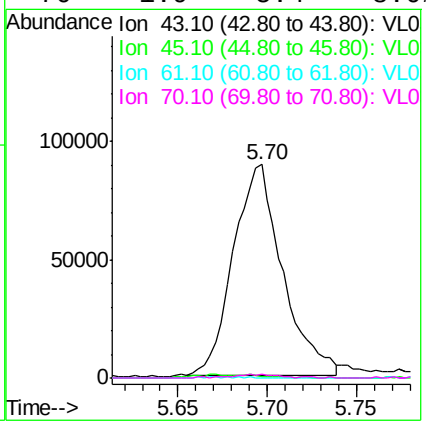


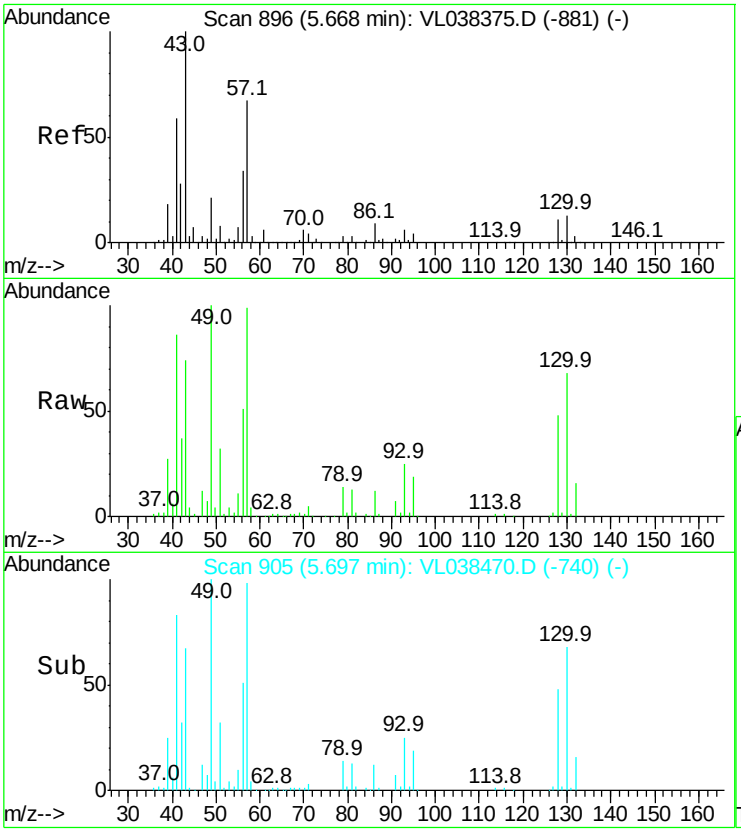


#25
Ethyl Acetate
Concen: 0.82 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.04 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

Tgt Ion: 43 Resp: 172860

Ion	Ratio	Lower	Upper
43	100		
45	2.4	7.8	11.6#
61	0.5	7.5	11.3#
70	1.9	5.4	8.0#



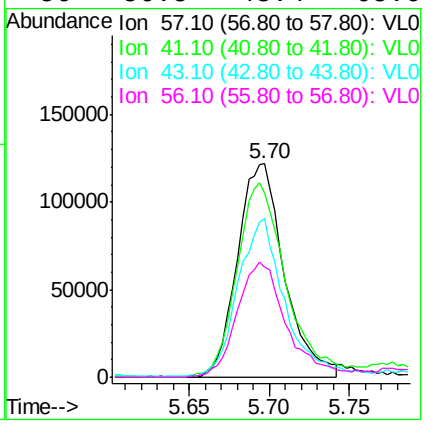


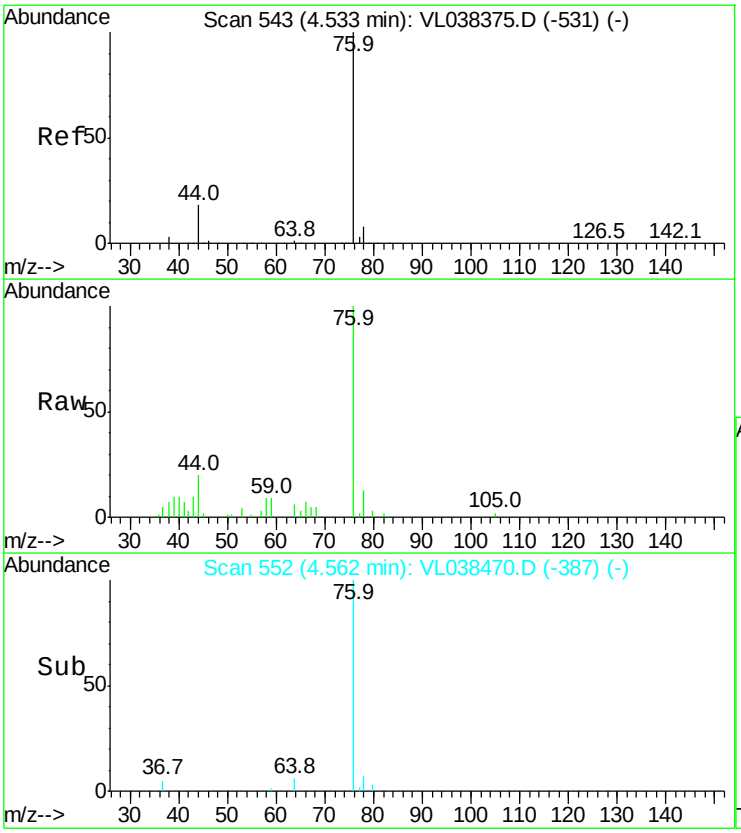
#26
Hexane
Concen: 2.58 ppbv
RT: 5.70
Delta R.T
Lab File:
Acq: 2 Mar 2022 3:35

Instrument :
MSVOA_L
ClientSampleId :
FSG1DL

Tgt Ion: 57 Resp: 245138

Ion	Ratio	Lower	Upper
57	100		
41	97.7	73.1	109.7
43	75.7	181.0	271.4#
56	56.5	43.4	65.0

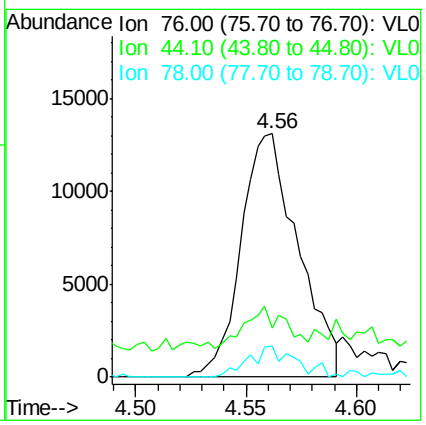


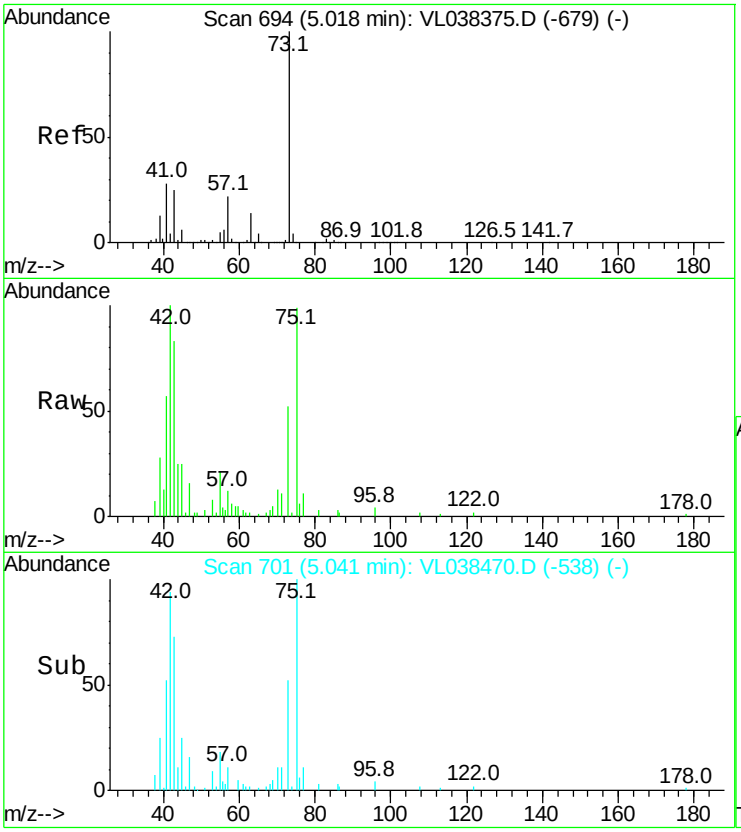


#27
Carbon Disulfide
Concen: 0.22 ppbv
RT: 4.56 min Scan# 552
Delta R.T. 0.03 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

Tgt Ion: 76 Resp: 23585

Ion	Ratio	Lower	Upper
76	100		
44	14.7	14.2	21.2
78	11.7	7.8	11.6#



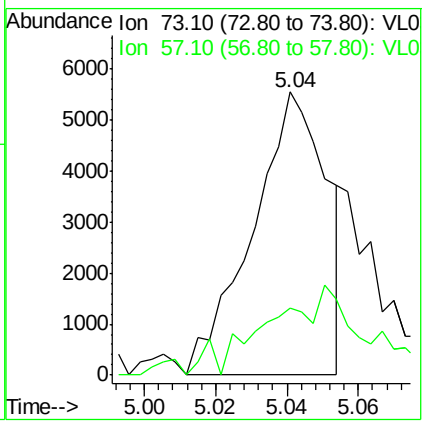


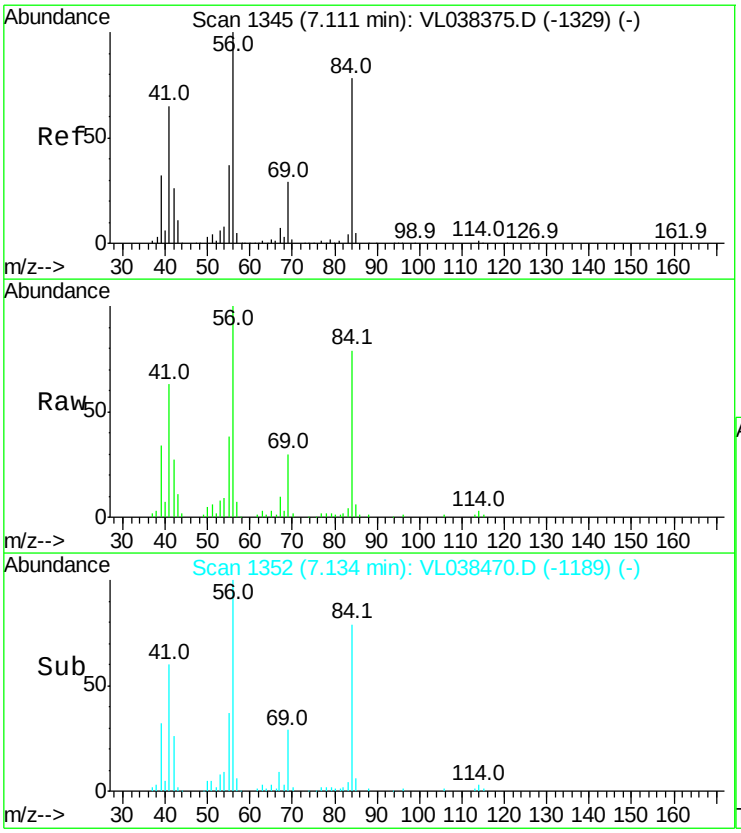
#28
Methyl tert-Butyl Ether
Concen: 0.08 ppbv
RT: 5.04
Delta R.T
Lab File:
Acq: 2 Mar 2022 3:35

Instrument :
MSVOA_L
ClientSampleId :
FSG1DL

Tgt Ion: 73 Resp: 7951

Ion	Ratio	Lower	Upper
73	100		
57	0.0	18.2	27.4#

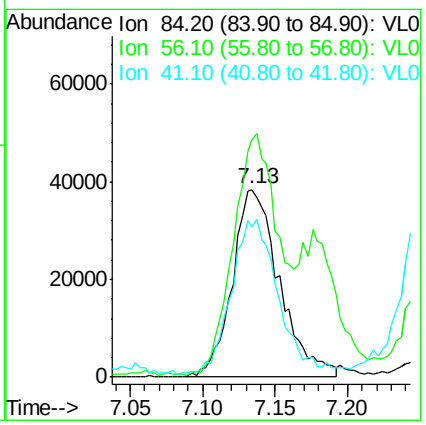


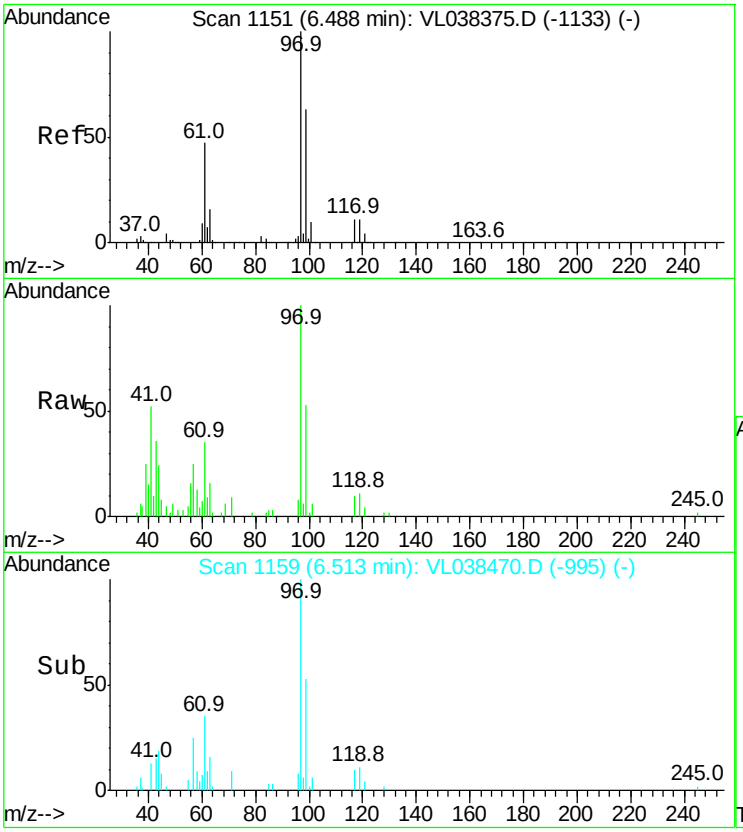


#30
Cyclohexane
Concen: 1.12 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.02 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

Tgt Ion: 84 Resp: 86848

Ion	Ratio	Lower	Upper
84	100		
56	186.3	116.2	174.4#
41	82.6	74.3	111.5



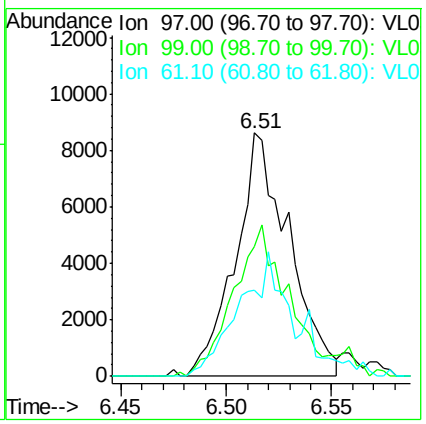


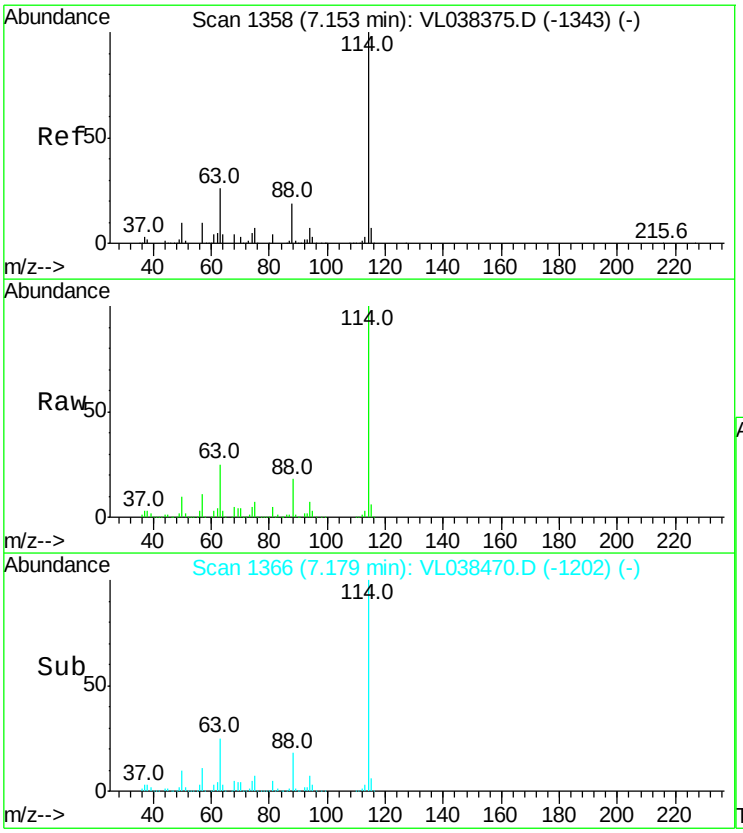
#32
1,1,1-Trichloroethane
Concen: 0.10 ppbv
RT: 6.51
Delta R.T
Lab File:
Acq: 2 Mar 2022 3:35

Instrument :
MSVOA_L
ClientSampleId :
FSG1DL

Tgt Ion: 97 Resp: 15199

Ion	Ratio	Lower	Upper
97	100		
99	67.8	51.9	77.9
61	53.2	40.5	60.7

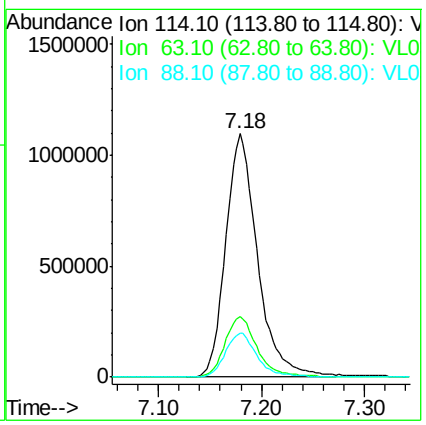


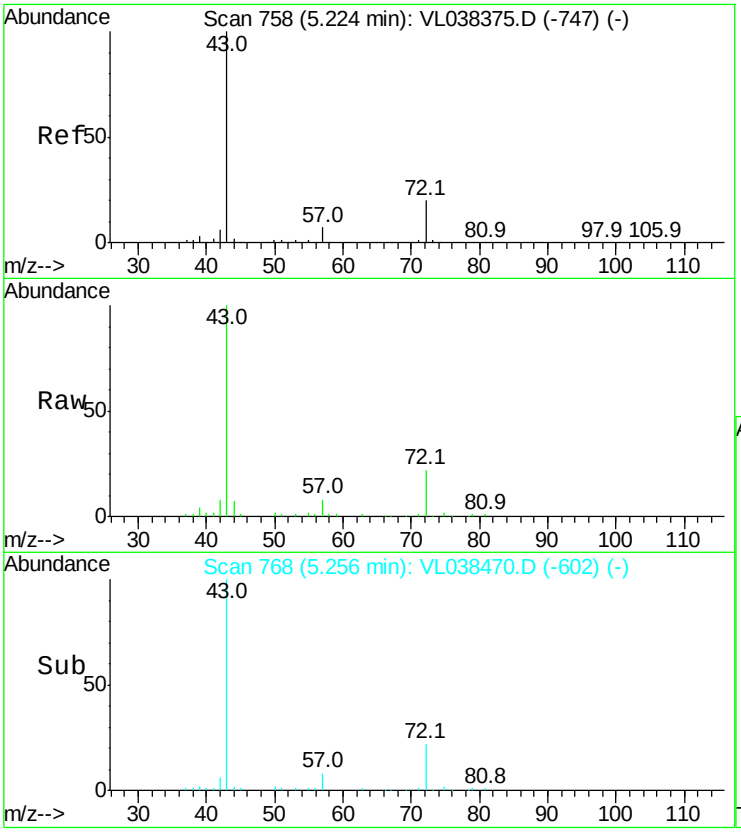


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. 0.03 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

Tgt Ion:114 Resp: 2363615

Ion	Ratio	Lower	Upper
114	100		
63	25.6	22.2	33.2
88	18.2	15.2	22.8



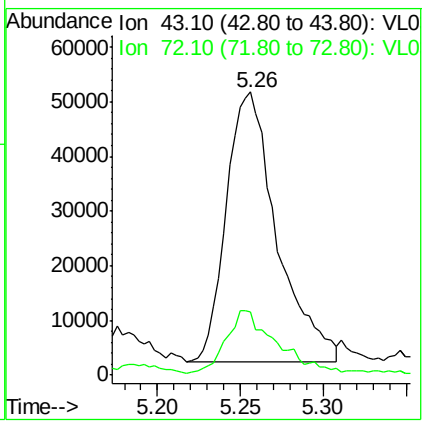


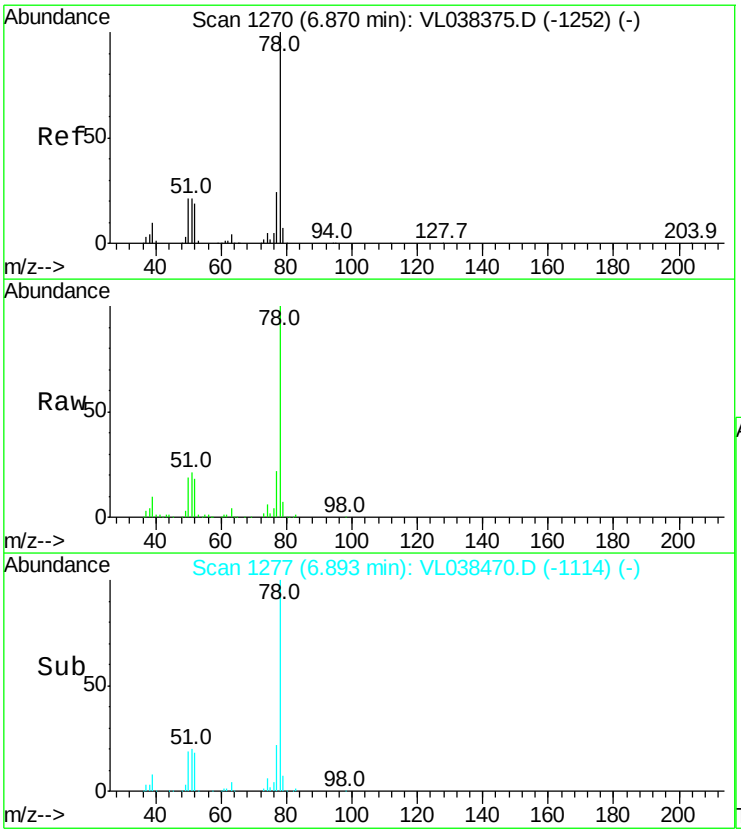
#34
2-Butanone
Concen: 1.40 ppbv
RT: 5.26
Delta R.T
Lab File:
Acq: 2 Mar 2022 3:35

Instrument :
MSVOA_L
ClientSampleId :
FSG1DL

Tgt Ion: 43 Resp: 104186

Ion	Ratio	Lower	Upper
43	100		
72	27.6	17.4	26.2#

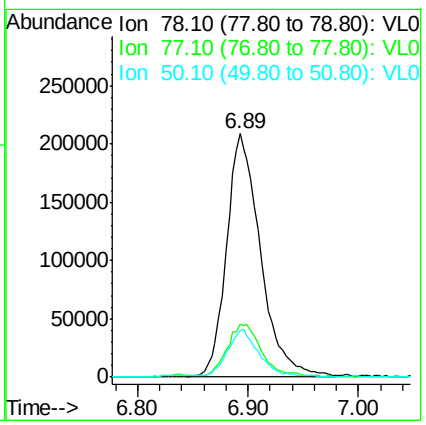


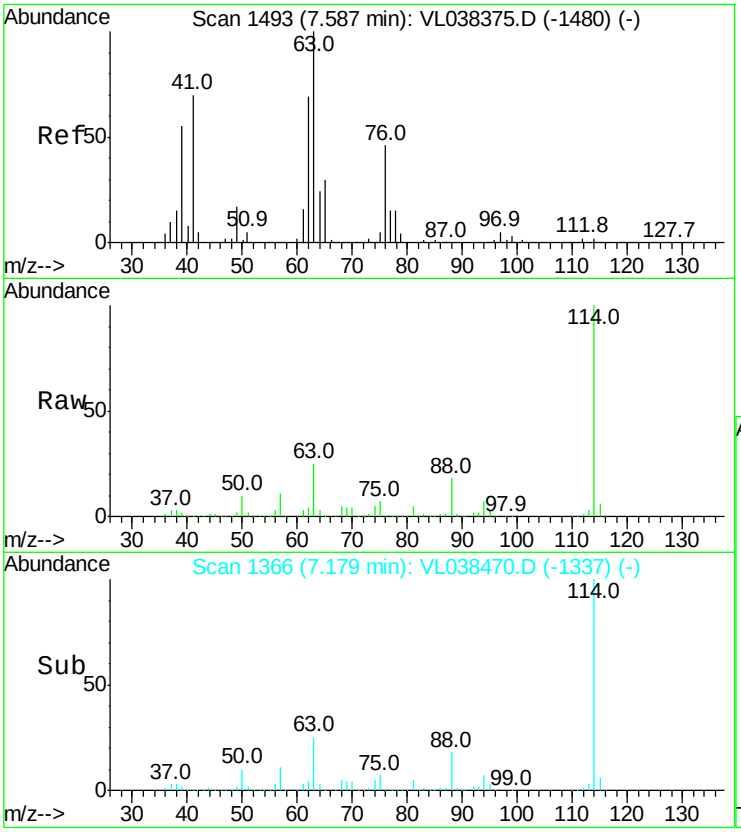


#36
Benzene
Concen: 2.14 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.02 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

Tgt Ion: 78 Resp: 444576

Ion	Ratio	Lower	Upper
78	100		
77	21.6	19.0	28.6
50	18.8	16.6	24.8



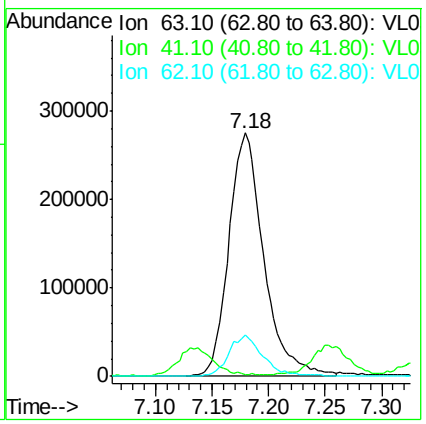


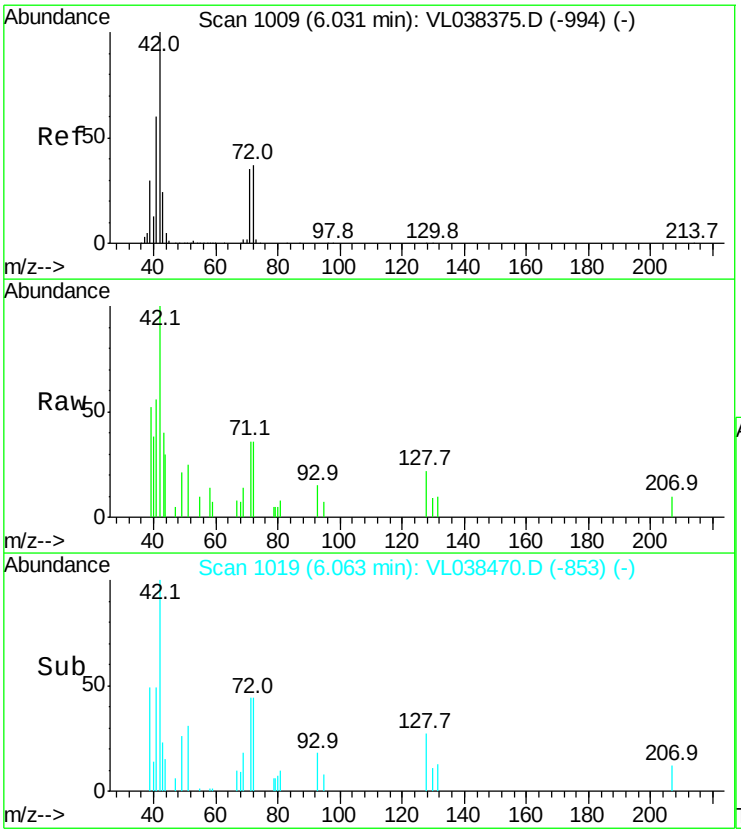
#39
1,2-Dichloropropane
Concen: 7.14 ppbv
RT: 7.18
Delta R.T
Lab File:
Acq: 2 Mar 2022 3:35

Instrument :
MSVOA_L
ClientSampleId :
FSG1DL

Tgt Ion: 63 Resp: 591740

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.1	84.1#
62	16.8	55.5	83.3#

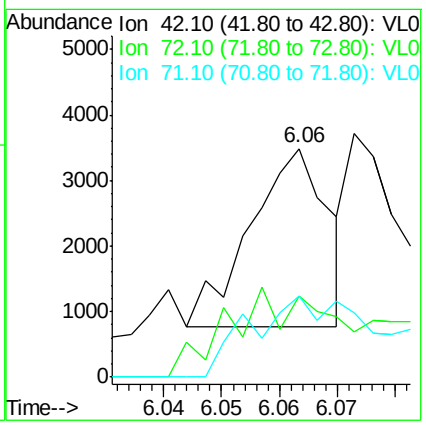


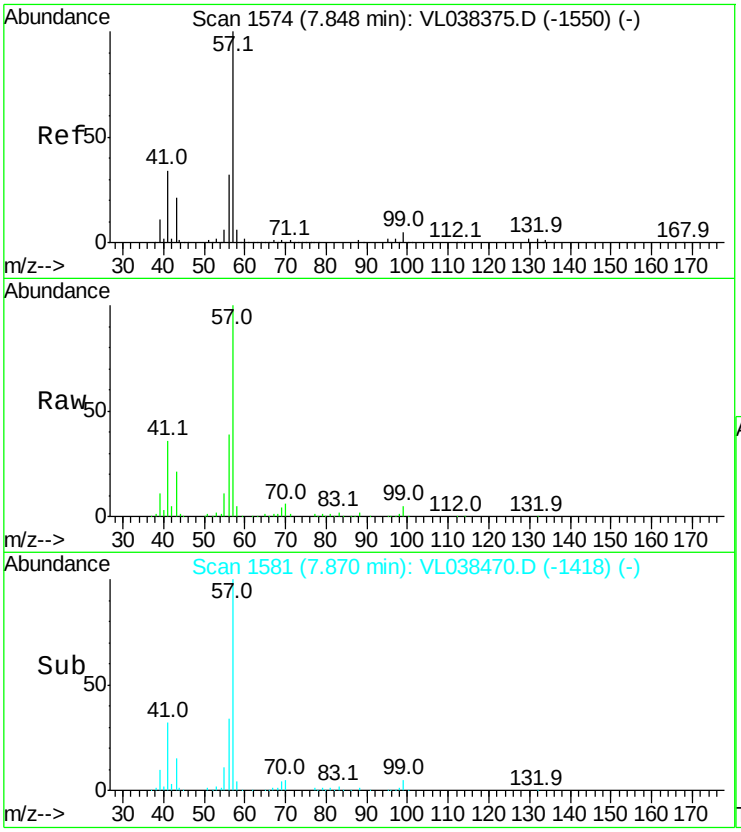


#41
Tetrahydrofuran
Concen: 0.05 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.03 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

Tgt Ion: 42 Resp: 2520

Ion	Ratio	Lower	Upper
42	100		
72	114.7	29.9	44.9#
71	103.8	28.6	42.8#



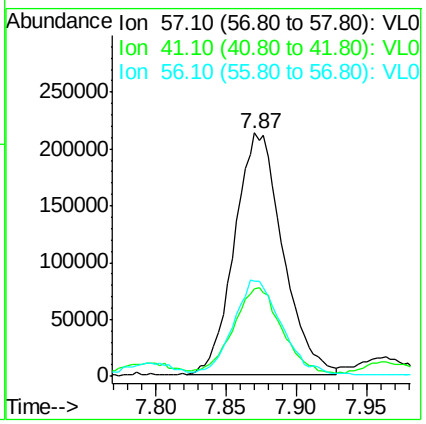


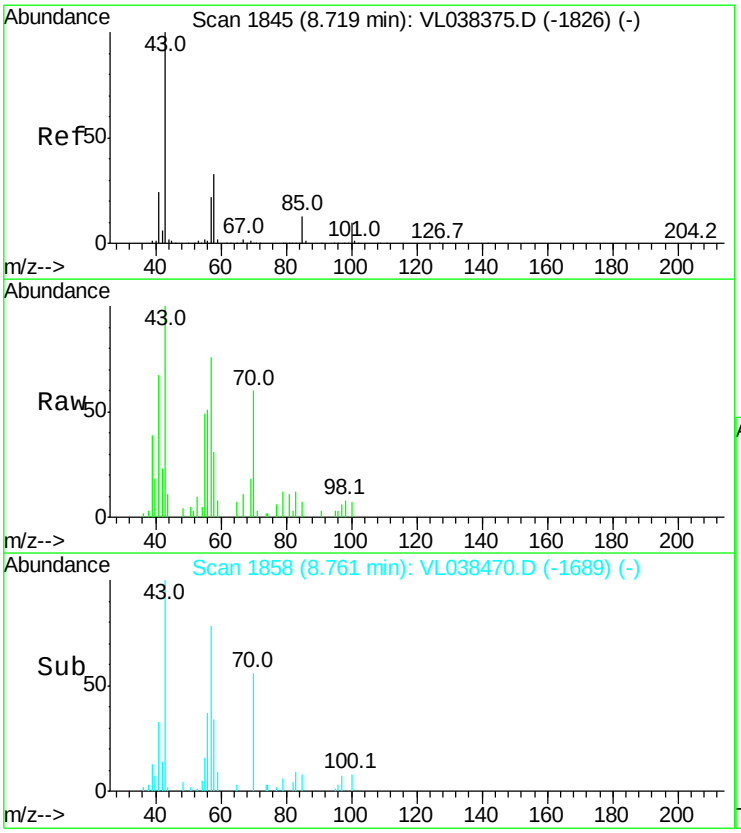
#44
2,2,4-Trimethylpentane
Concen: 1.42 ppbv
RT: 7.87
Delta R.T
Lab File:
Acq: 2 Mar 2022 3:35

Instrument :
MSVOA_L
ClientSampleId :
FSG1DL

Tgt Ion: 57 Resp: 508113

Ion	Ratio	Lower	Upper
57	100		
41	38.1	26.6	39.8
56	41.8	25.0	37.6#

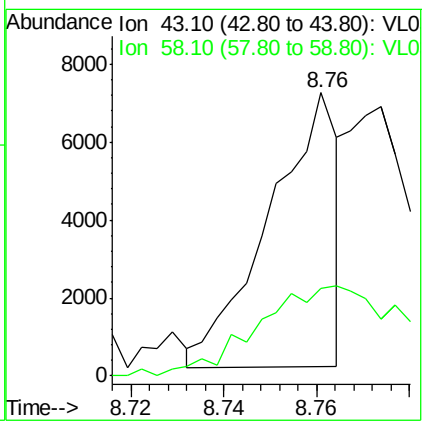


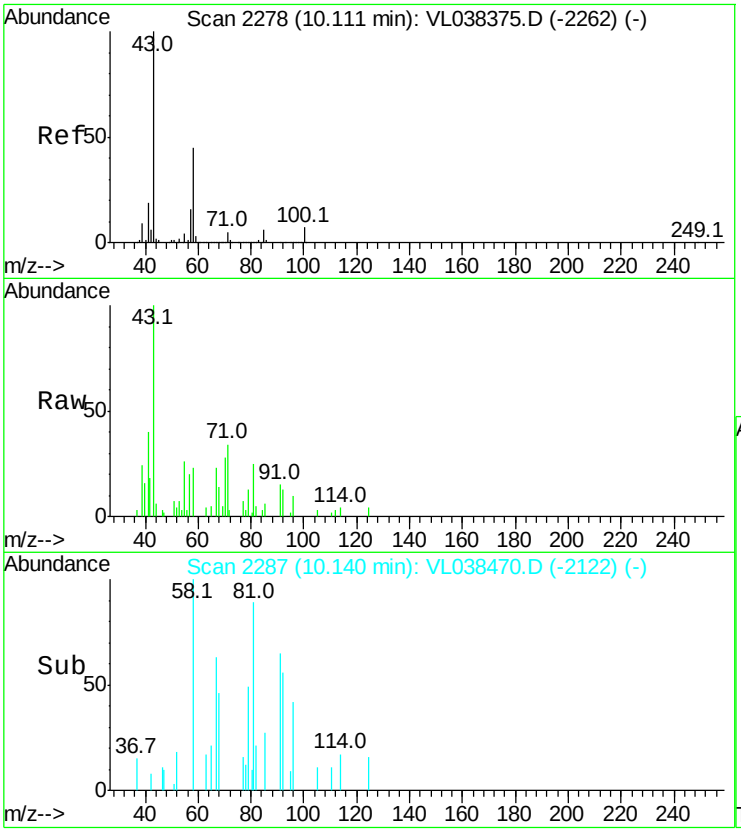


#50
4-Methyl-2-Pentanone
Concen: 0.05 ppbv
RT: 8.76 min Scan# 1858
Delta R.T. 0.04 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

Tgt Ion: 43 Resp: 7204

Ion	Ratio	Lower	Upper
43	100		
58	93.5	27.7	41.5#



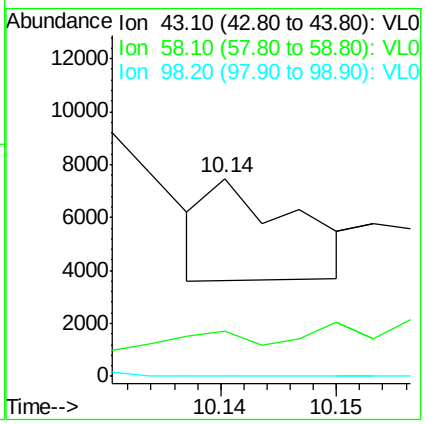


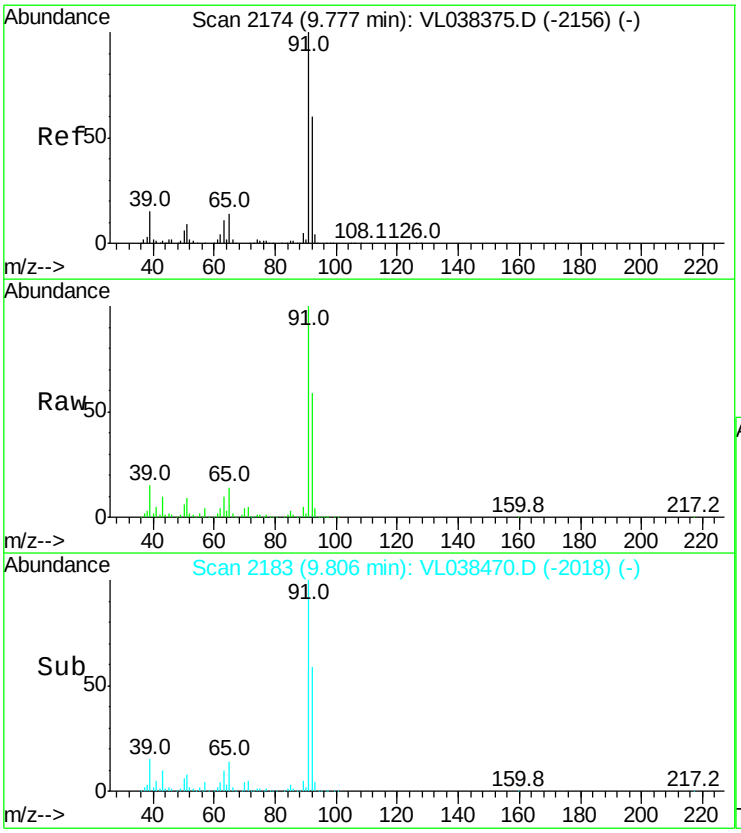
#51
2-Hexanone
Concen: 0.03 ppbv
RT: 10.14
Delta R.T
Lab File:
Acq: 2 Mar 2022 3:35

Instrument :
MSVOA_L
ClientSampleId :
FSG1DL

Tgt Ion: 43 Resp: 2009

Ion	Ratio	Lower	Upper
43	100		
58	327.1	37.4	56.0#
98	0.0	0.1	0.1#

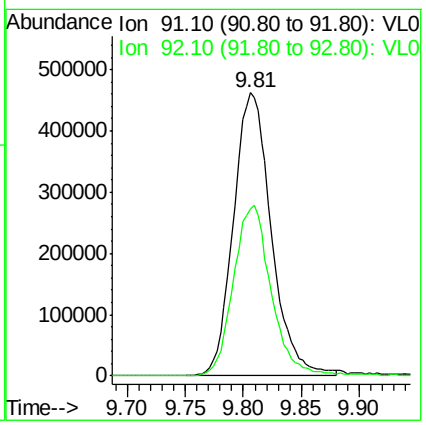


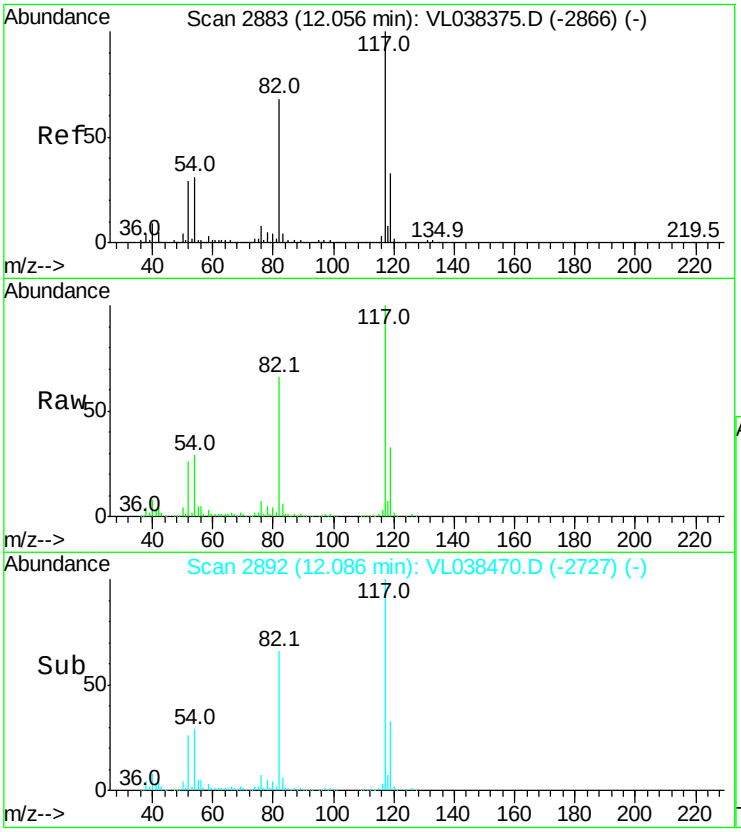


#53
Toluene
Concen: 4.65 ppbv
RT: 9.81 min Scan# 2183
Delta R.T. 0.03 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

Tgt Ion: 91 Resp: 1051376

Ion	Ratio	Lower	Upper
91	100		
92	60.7	48.2	72.4



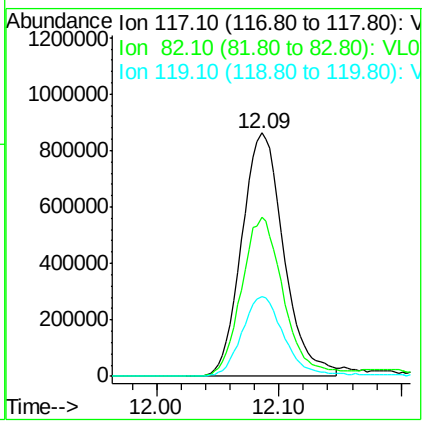


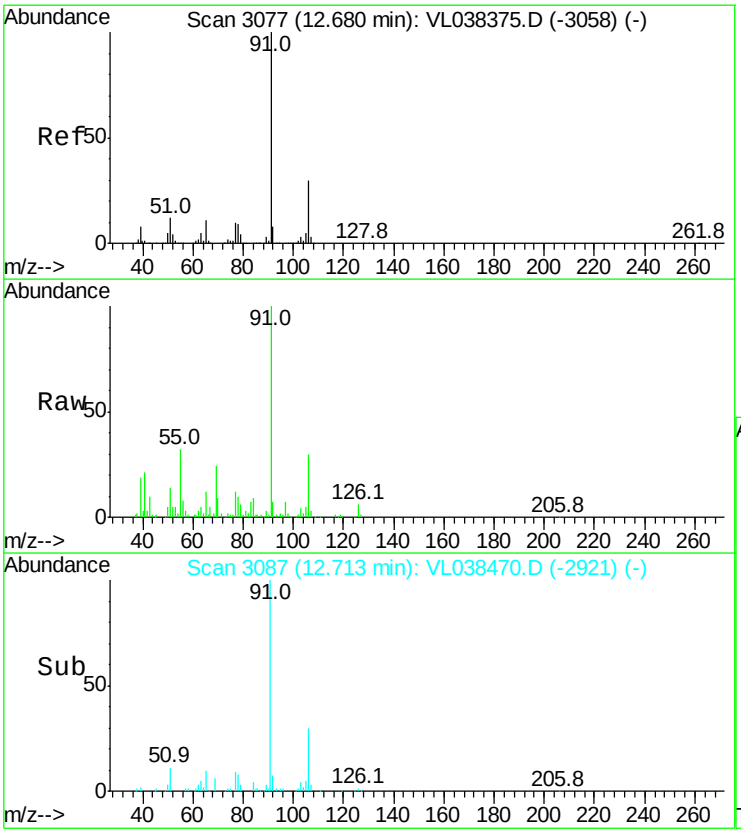
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.09
Delta R.T
Lab File:
Acq: 2 Mar 2022 3:35

Instrument :
MSVOA_L
ClientSampleId :
FSG1DL

Tgt Ion:117 Resp: 2055815

Ion	Ratio	Lower	Upper
117	100		
82	65.9	54.9	82.3
119	33.7	46.1	69.1#

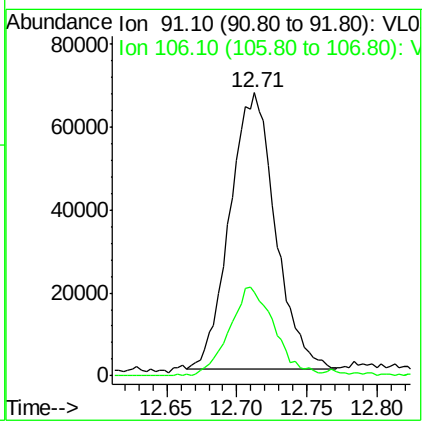


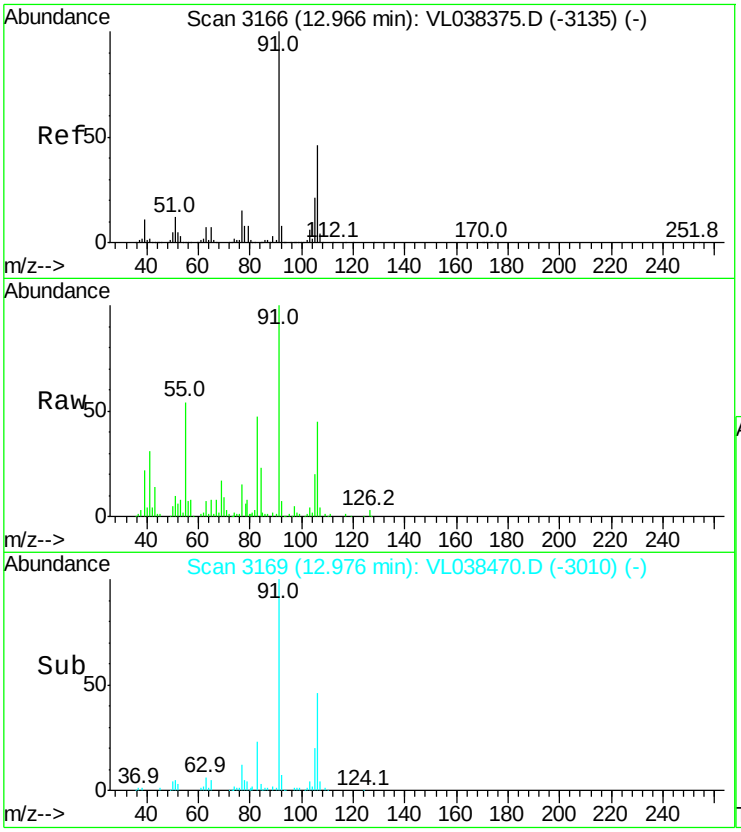


#58
Ethyl Benzene
Concen: 0.53 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. 0.03 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

Tgt Ion: 91 Resp: 149775

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.0	36.0



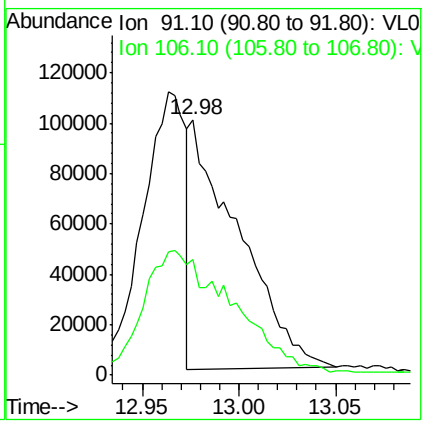


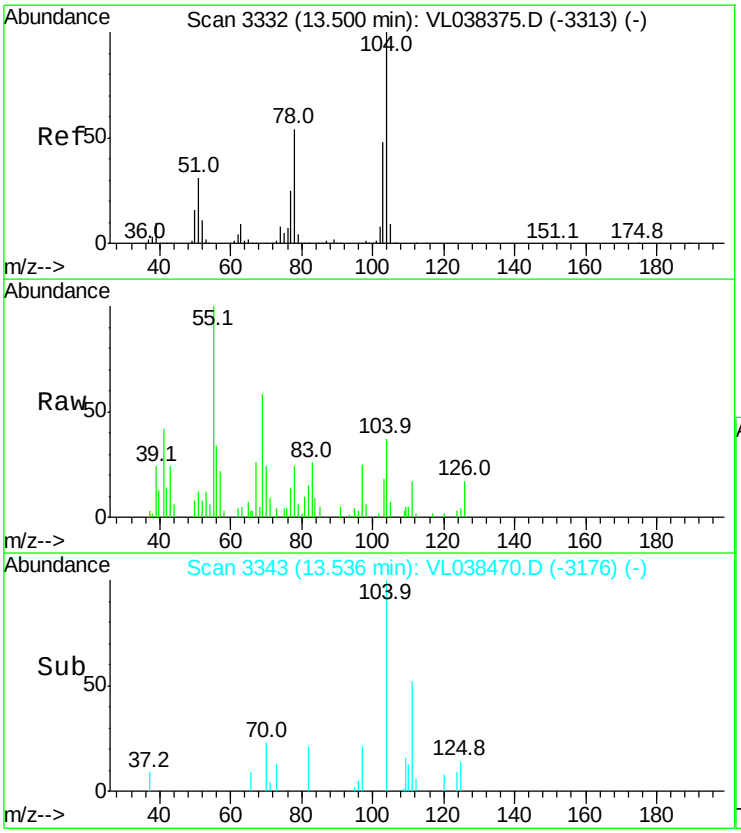
#59
m/p-Xylene
Concen: 0.70 ppbv
RT: 12.98
Delta R.T
Lab File:
Acq: 2 Mar 2022 3:35

Instrument :
MSVOA_L
ClientSampleId :
FSG1DL

Tgt Ion: 91 Resp: 169367

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.4	51.6#

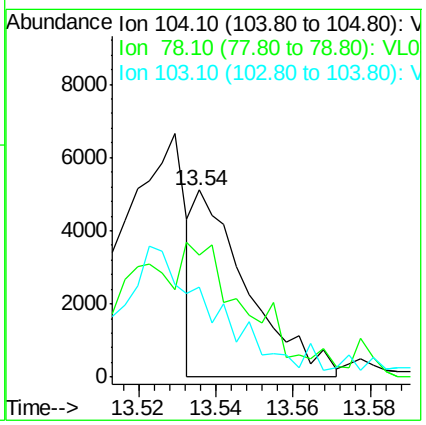


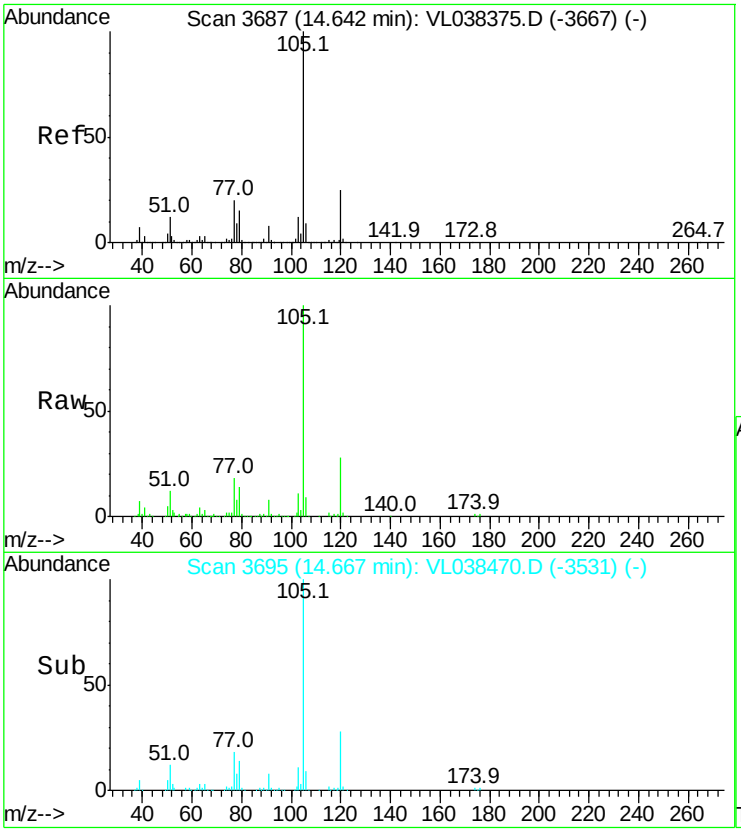


#61
Styrene
Concen: 0.05 ppbv
RT: 13.54 min Scan# 3343
Delta R.T. 0.04 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

Tgt Ion:104 Resp: 4922

Ion	Ratio	Lower	Upper
104	100		
78	189.7	44.2	66.4#
103	0.0	38.4	57.6#



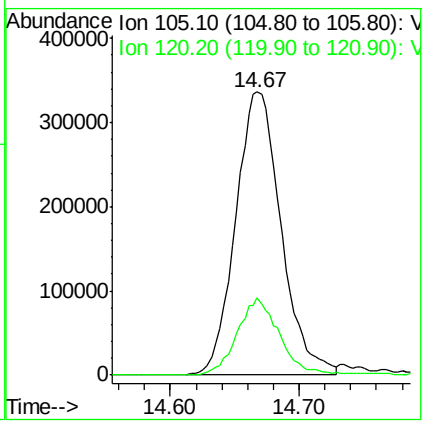


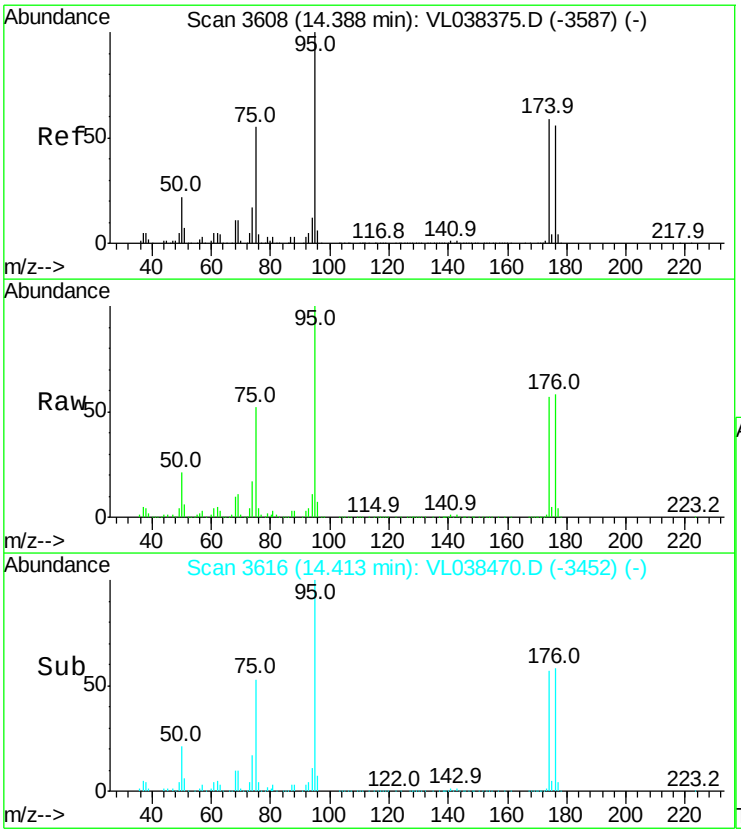
#62
Isopropylbenzene
Concen: 2.69 ppbv
RT: 14.67
Delta R.T
Lab File:
Acq: 2 Mar 2022 3:35

Instrument :
MSVOA_L
ClientSampleId :
FSG1DL

Tgt Ion:105 Resp: 824922

Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.6	30.8





#68
1-Bromo-4-Fluorobenzene
Concen: 9.34 ppbv
RT: 14.41 min Scan# 3616
Delta R.T. 0.03 min
Lab File: VL038470.D
Acq: 2 Mar 2022 3:35

Tgt Ion: 95 Resp: 1588117

Ion	Ratio	Lower	Upper
95	100		
174	65.2	49.0	73.4
175	4.8	3.6	5.4