Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022820\

Quantitation Report (Not Reviewed)

Data File : VL034751.D
Acq On : 29 Feb 2020 00:28
Operator : SY/AP
Sample : L1661-09
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG-9-TROPHY-CASE

Quant Time: Mar 02 04:38:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Feb 28 01:15:02 2020
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1048076	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.19	114	2183299	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.12	117	2203894	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.46	95	1854043	10.26	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.02	85	92708	0.561	ppbv		89
3) Chlorodifluoromethane	2.93	51	884061	7.816	ppbv	#	59
4) Chloromethane	3.11	50	37343	0.590	ppbv		93
5) Vinyl Chloride	3.22	62	1698	0.027	ppbv	#	84
7) Chloroethane	3.53	64	18611	0.807	ppbv	#	79
9) Propene	3.17	41	111971	2.368	ppbv		92
10) Heptane	8.14	43	41319	0.340	ppbv	#	1
11) Trichlorofluoromethane	3.93	101	36706	0.253	ppbv		92
12) 1,1,2-Trichlorotrifluoroet	4.47	101	6421	0.063	ppbv	#	67
13) Ethanol	3.59	45	1785165	119.520	ppbv		97
15) Acetone	3.82	43	2333832	19.542	ppbv		99
16) 1,3-Butadiene	3.28	39	42939	0.777	ppbv	#	20
17) tert-Butyl alcohol	4.29	59	442447	4.835	ppbv		99
19) Isopropyl Alcohol	3.96	45	3389730	47.651	ppbv	#	98
20) Methylene Chloride	4.33	84	190326	4.285	ppbv		92
21) Allyl Chloride	4.35	41	6013	0.076	ppbv	#	20
23) Vinyl Acetate	5.05	43	80463	0.496	ppbv	#	73
25) Ethyl Acetate	5.68	43	198687	0.940	ppbv	#	91
26) Hexane	5.68	57	190198	1.952	ppbv	#	54
27) Carbon Disulfide	4.53	76	5187	0.047	ppbv	#	1
29) Chloroform	5.75	83	41842	0.270	ppbv	#	79
30) Cyclohexane	7.13	84	30006	0.397	ppbv	#	86
31) cis-1,2-Dichloroethene	5.55	61	15777	0.165	ppbv	#	85
34) 2-Butanone	5.24	43	372638	2.712	ppbv		99
35) Carbon Tetrachloride	7.02	117	6935	0.047	ppbv	#	62
36) Benzene	6.90	78	89753	0.476	ppbv		98
38) Trichloroethene	7.85	130	420999	5.792	ppbv		91
39) 1,2-Dichloropropane	7.19	63	613526	8.178	ppbv	#	24
41) Tetrahydrofuran	6.05	42	171197	2.360	ppbv		97
44) 2,2,4-Trimethylpentane	7.88	57	228616	0.694	ppbv	#	79
50) 4-Methyl-2-Pentanone	8.76	43	130368	0.670	ppbv		95
52) Tetrachloroethene	11.25	164	6648	0.096	ppbv	#	77
53) Toluene	9.83	91	1547249	7.715	ppbv		99
58) Ethyl Benzene	12.74	91	295650	1.109	ppbv		92
59) m/p-Xylene	13.00	91	883816	3.800	ppbv		99
60) o-Xylene	13.73	91	355815	1.542	ppbv		99
61) Styrene	13.56	104	10049	0.068	ppbv	#	1
62) Isopropylbenzene	14.71	105	14203	0.042	ppbv	#	45
64) n-propylbenzene	15.60	120	7182	0.083	ppbv	#	1
65) tert-Butylbenzene	16.80	119	36113	0.124	ppbv	#	16
69) p-Isopropyltoluene	17.69	119	326536	0.948	ppbv	#	48

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022820\

Quantitation Report (Not Reviewed)

Data File : VL034751.D
Acq On : 29 Feb 2020 00:28
Operator : SY/AP
Sample : L1661-09
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG-9-TROPHY-CASE

Quant Time: Mar 02 04:38:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Feb 28 01:15:02 2020
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
70) n-Butylbenzene	18.75	91	830881	2.216 ppbv #	78
71) 2-Chlorotoluene	15.60	91	110439	0.424 ppbv #	46
72) 4-Ethyltoluene	15.88	105	119694	0.466 ppbv #	95
73) 1,3,5-Trimethylbenzene	16.04	105	109943	0.445 ppbv	95
74) 1,2,4-Trimethylbenzene	16.80	105	441947	1.620 ppbv #	68
75) 1,3-Dichlorobenzene	17.05	146	5872	0.037 ppbv #	22
76) 1,4-Dichlorobenzene	17.19	146	12934	0.082 ppbv #	1
79) Naphthalene	22.26	128	24176	0.101 ppbv #	85
80) Naphthalene,2-methyl-	25.03	142	2957	0.040 ppbv #	67

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

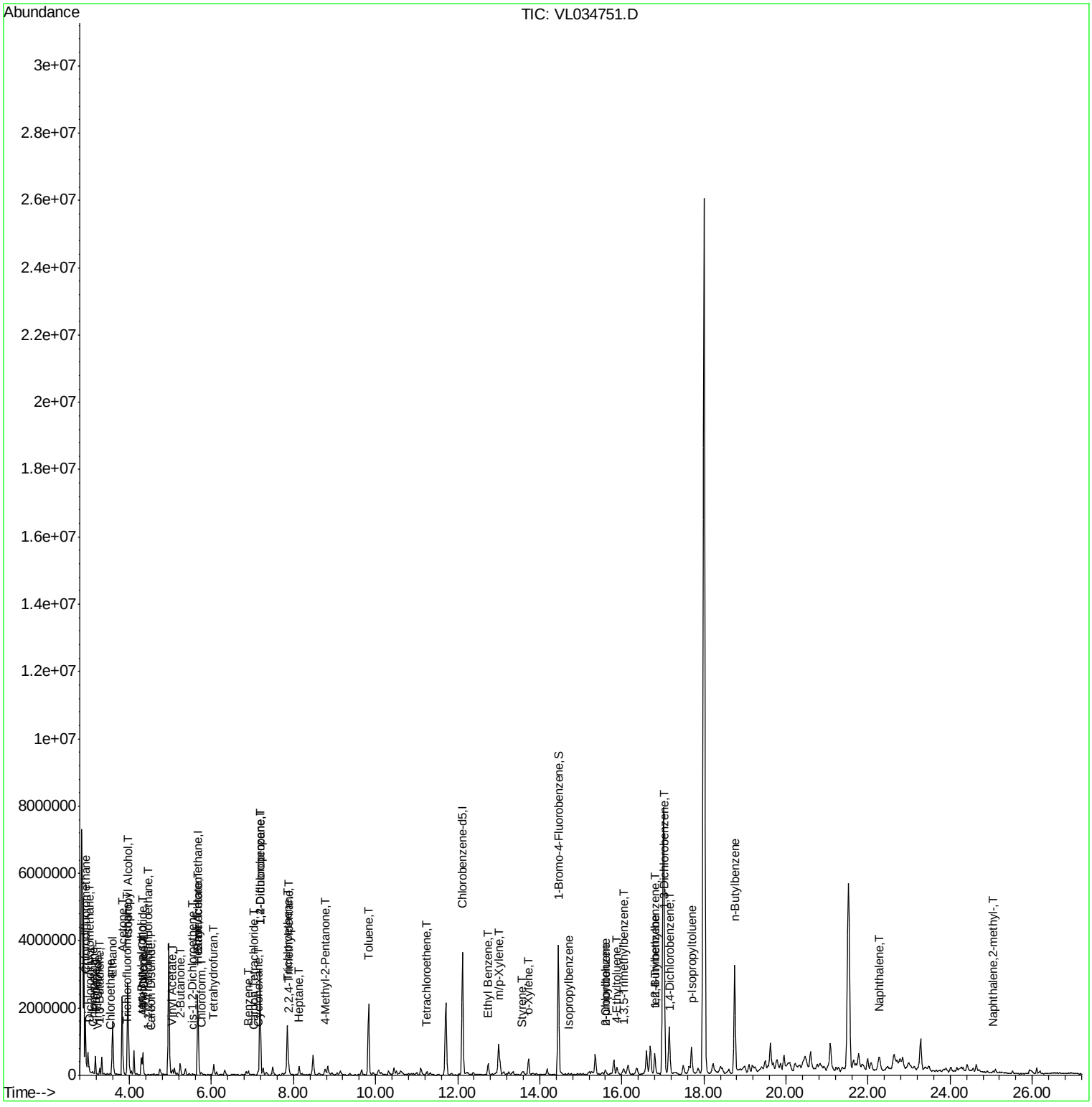
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022820\

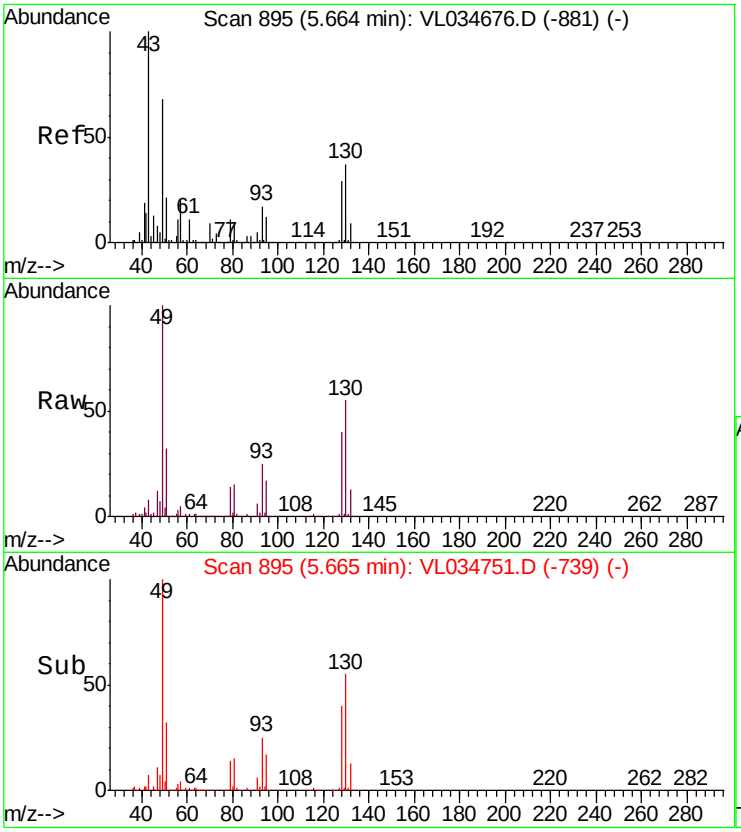
Quantitation Report (Not Reviewed)

Data File : VL034751.D
Acq On : 29 Feb 2020 00:28
Operator : SY/AP
Sample : L1661-09
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-9-TROPHY-CASE

Quant Time: Mar 02 04:38:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Feb 28 01:15:02 2020
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration



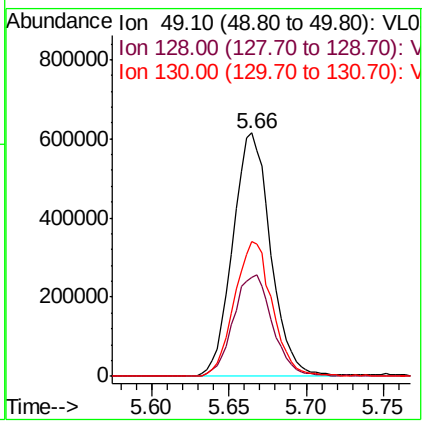


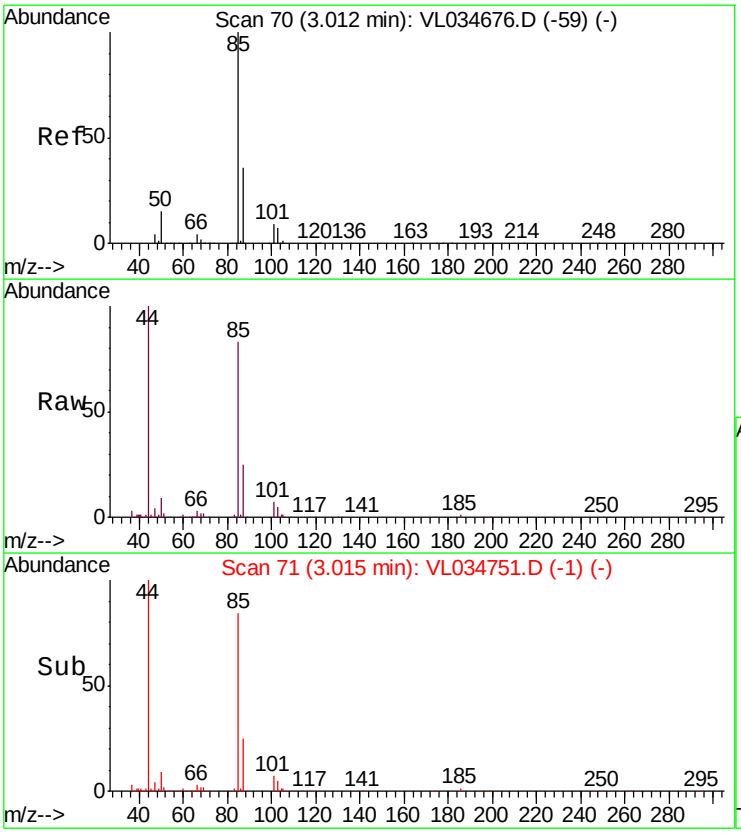
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL034751.D
Acq: 29 Feb 2020 00:28

Instrument :
MSVOA_L
ClientSampleId :
SG-9-TROPHY-CASE

Tgt Ion: 49 Resp: 1048076

Ion	Ratio	Lower	Upper
49	100		
128	42.8	21.6	65.0
130	55.5	27.7	83.1

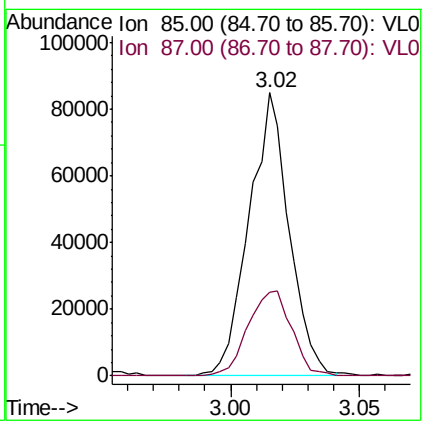


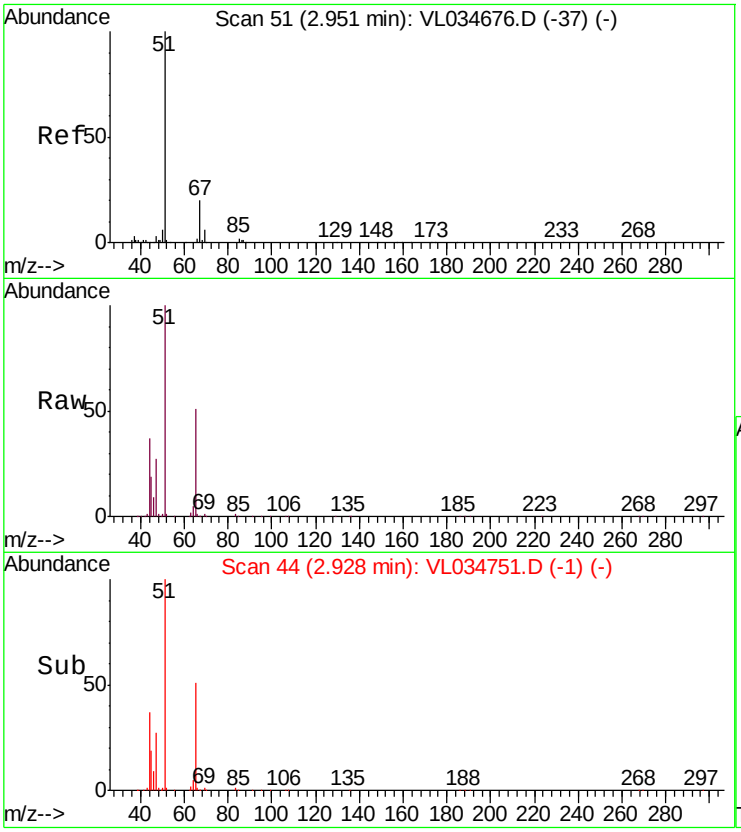


#2
Dichlorodifluoromethane
Concen: 0.561 ppbv
RT: 3.02 min Scan# 71
Delta R.T. 0.00 min
Lab File: VL034751.D
Acq: 29 Feb 2020 00:28

Tgt Ion: 85 Resp: 92708

Ion	Ratio	Lower	Upper
85	100		
87	29.7	29.2	43.8



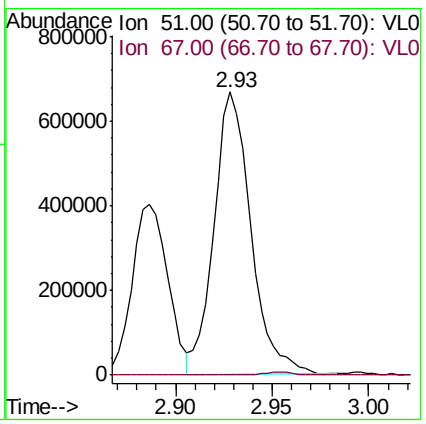


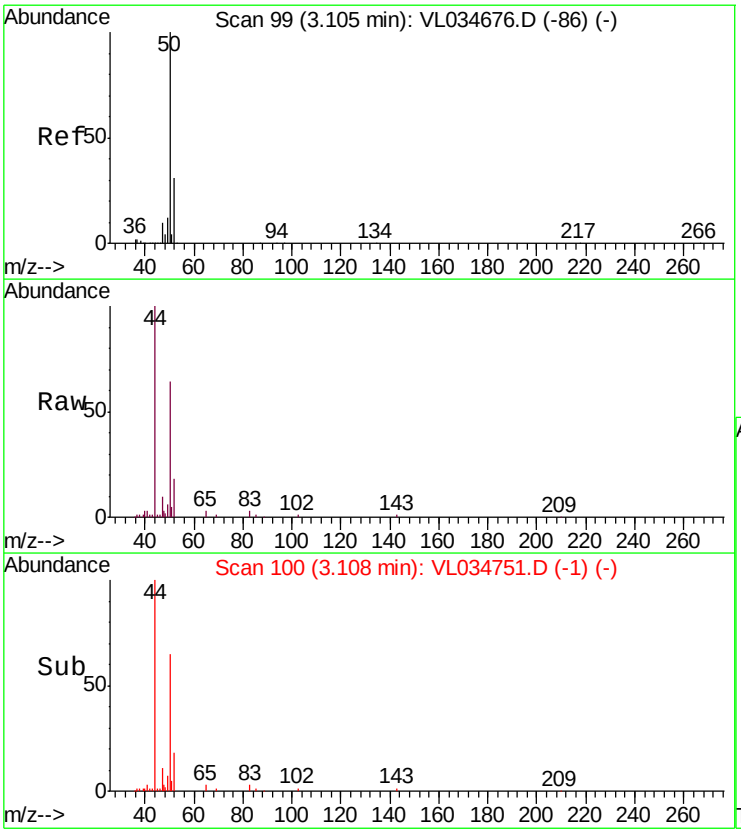
#3
Chlorodifluoromethane
Concen: 7.816 ppbv
RT: 2.93 min Scan# 44
Delta R.T. -0.02 min
Lab File: VL034751.D
Acq: 29 Feb 2020 00:28

Instrument :
MSVOA_L
ClientSampleId :
SG-9-TROPHY-CASE

Tgt Ion: 51 Resp: 884061

Ion	Ratio	Lower	Upper
51	100		
67	0.9	15.5	23.3#

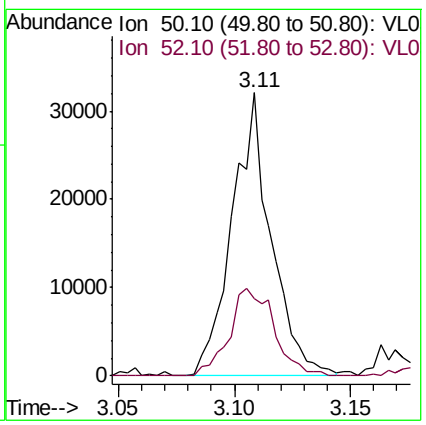


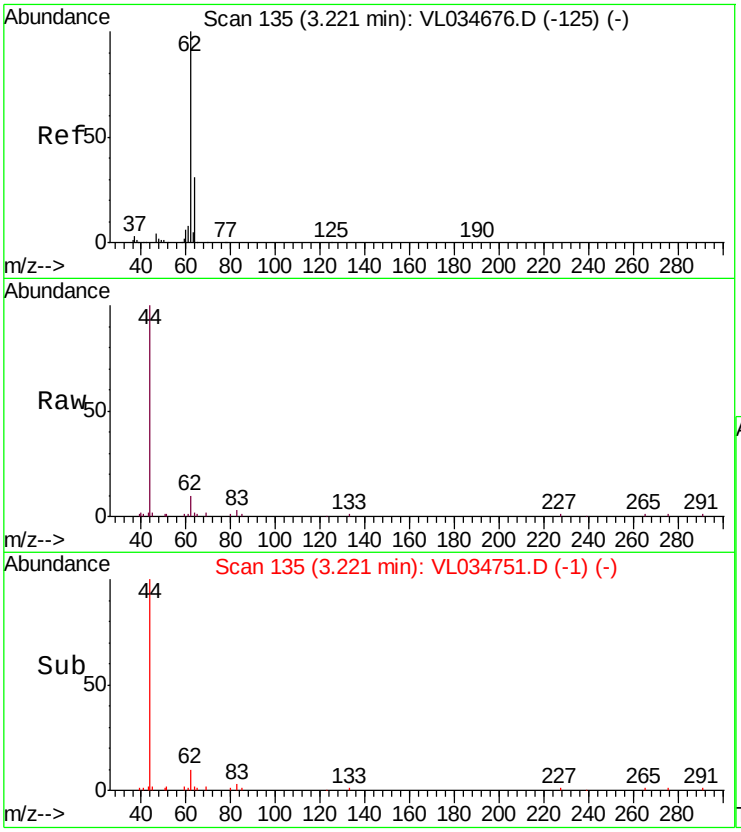


#4
Chloromethane
Concen: 0.590 ppbv
RT: 3.11 min Scan# 100
Delta R.T. 0.00 min
Lab File: VL034751.D
Acq: 29 Feb 2020 00:28

Tgt Ion: 50 Resp: 37343

Ion	Ratio	Lower	Upper
50	100		
52	27.5	25.0	37.4



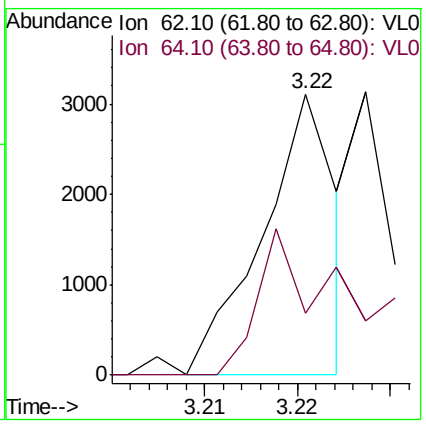


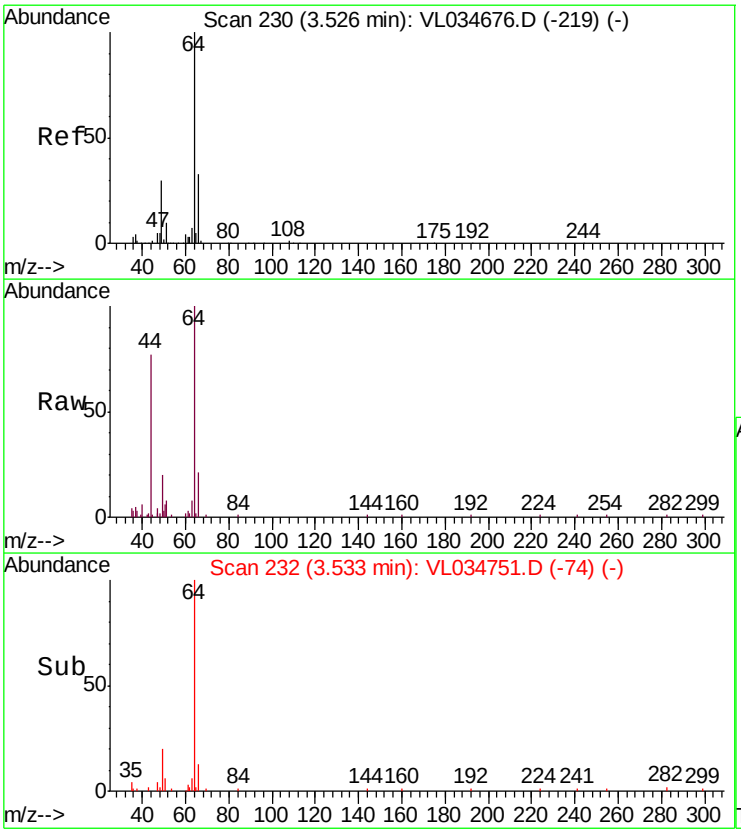
#5
Vinyl Chloride
Concen: 0.027 ppbv
RT: 3.22 min Scan# 135
Delta R.T. 0.00 min
Lab File: VL034751.D
Acq: 29 Feb 2020 00:28

Instrument :
MSVOA_L
ClientSampleId :
SG-9-TROPHY-CASE

Tgt Ion: 62 Resp: 1698

Ion	Ratio	Lower	Upper
62	100		
64	21.9	24.7	37.1#

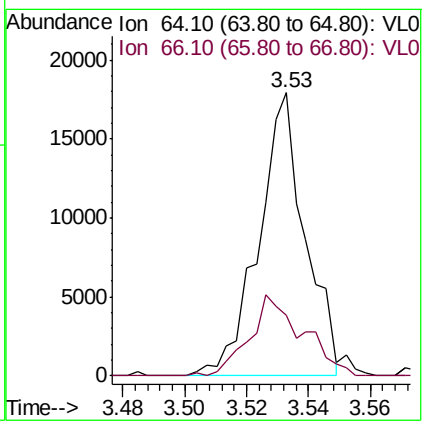


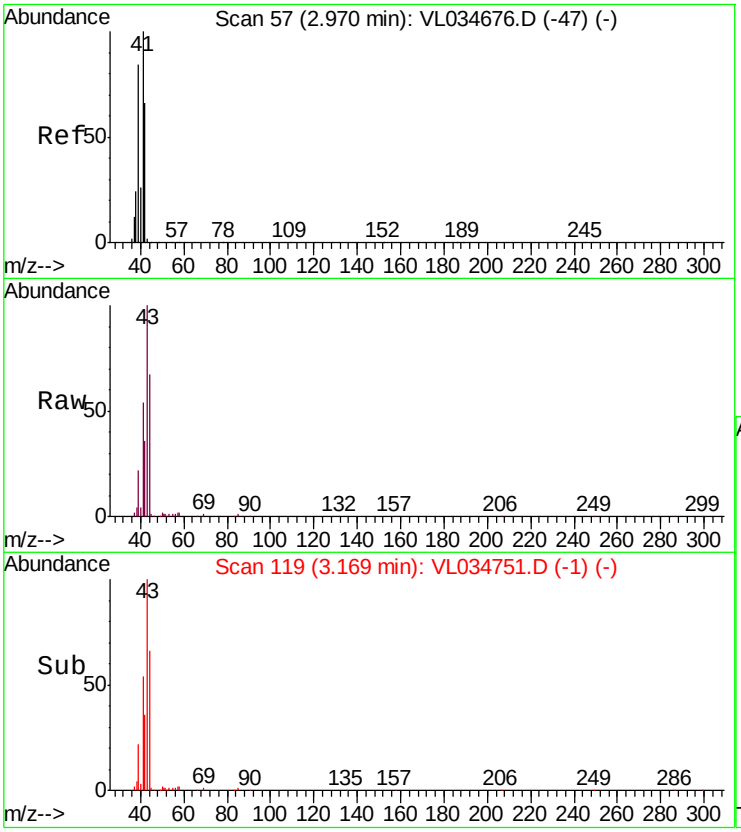


#7
Chloroethane
Concen: 0.807 ppbv
RT: 3.53 min Scan# 232
Delta R.T. 0.01 min
Lab File: VL034751.D
Acq: 29 Feb 2020 00:28

Tgt Ion: 64 Resp: 18611

Ion	Ratio	Lower	Upper
64	100		
66	21.3	26.7	40.1#



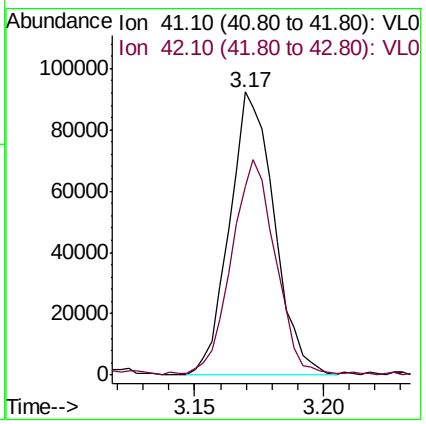


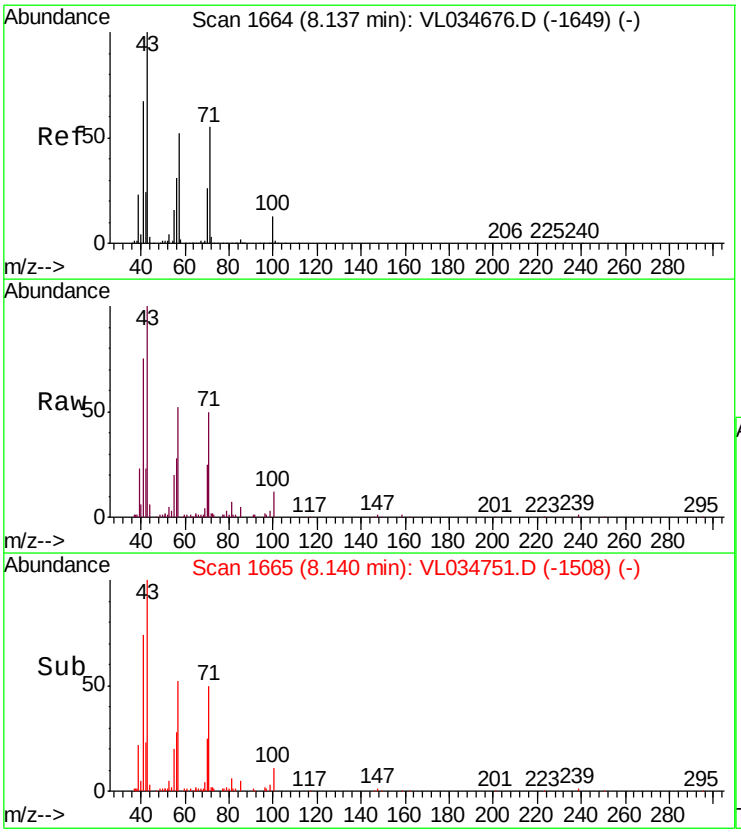
#9
Propene
Concen: 2.368 ppbv
RT: 3.17 min Scan# 119
Delta R.T. 0.20 min
Lab File: VL034751.D
Acq: 29 Feb 2020 00:28

Instrument :
MSVOA_L
ClientSampleId :
SG-9-TROPHY-CASE

Tgt Ion: 41 Resp: 111971

Ion	Ratio	Lower	Upper
41	100		
42	74.8	54.9	82.3

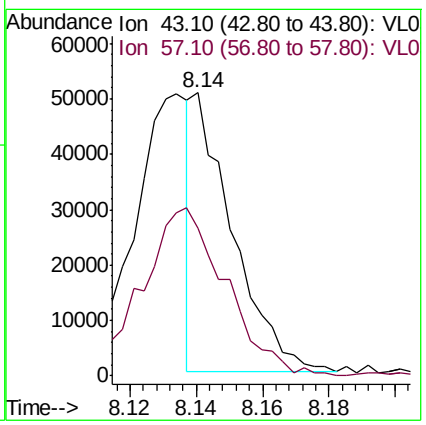


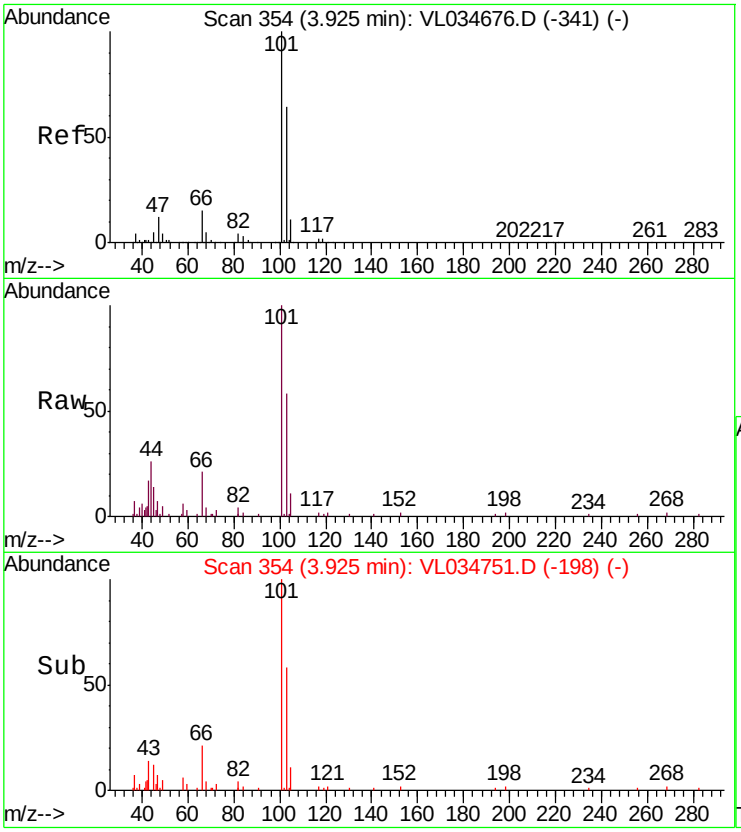


#10
Heptane
Concen: 0.340 ppbv
RT: 8.14 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VL034751.D
Acq: 29 Feb 2020 00:28

Tgt Ion: 43 Resp: 41319

Ion	Ratio	Lower	Upper
43	100		
57	131.5	41.0	61.6#



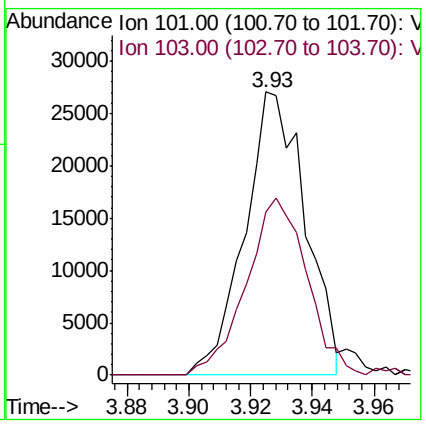


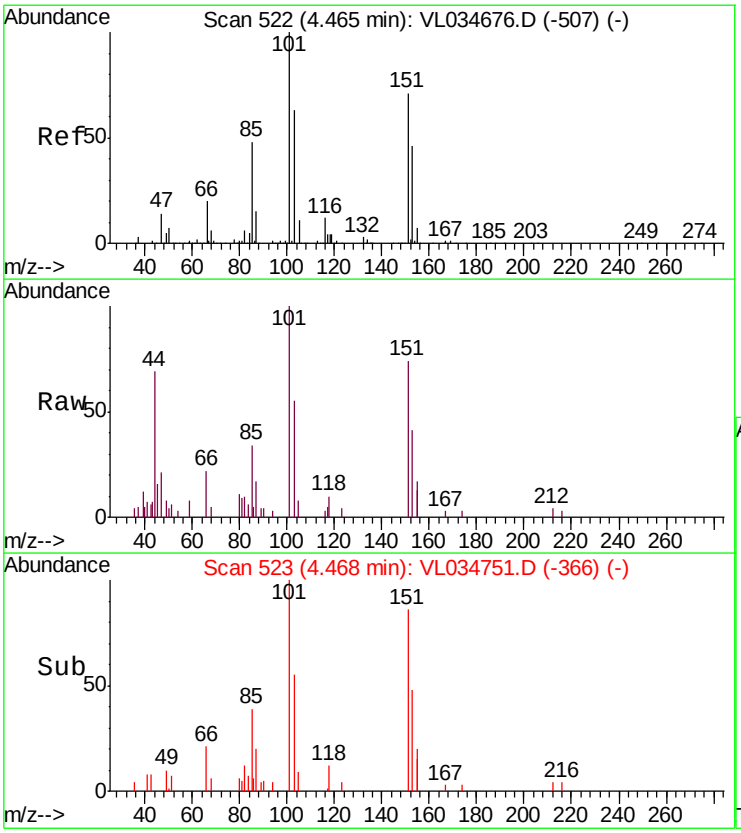
#11
Trichlorofluoromethane
Concen: 0.253 ppbv
RT: 3.93 min Scan# 354
Delta R.T. 0.00 min
Lab File: VL034751.D
Acq: 29 Feb 2020 00:28

Instrument :
MSVOA_L
ClientSampleId :
SG-9-TROPHY-CASE

Tgt Ion:101 Resp: 36706

Ion	Ratio	Lower	Upper
101	100		
103	57.8	51.2	76.8

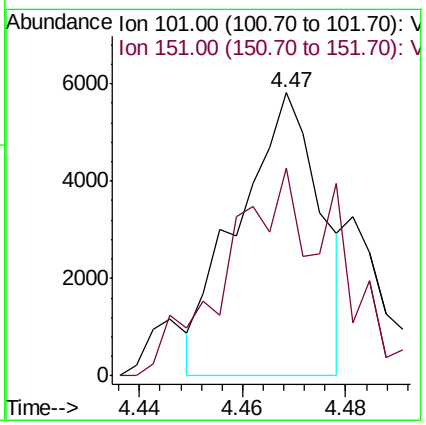


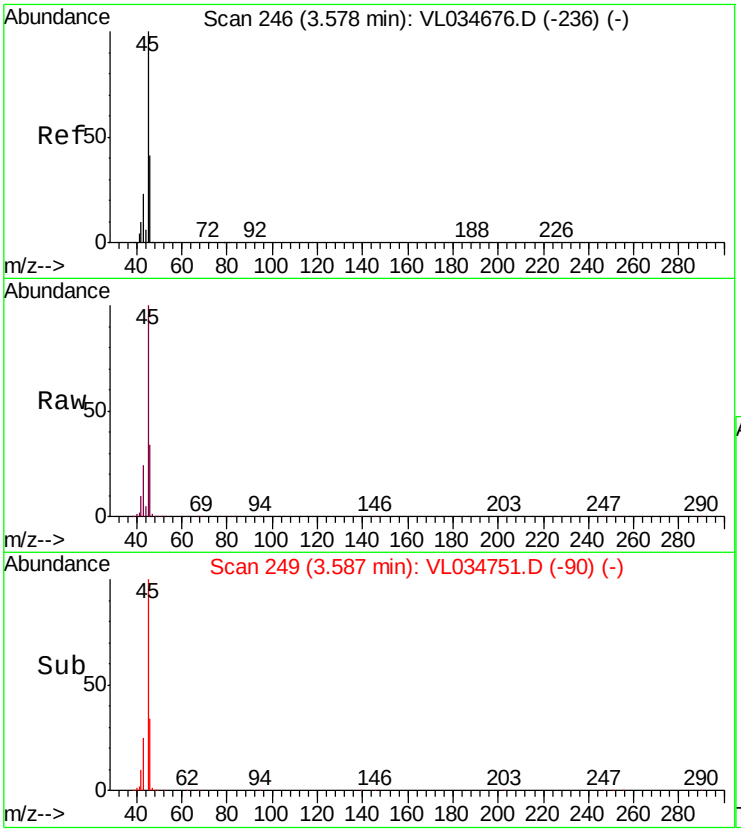


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.063 ppbv
RT: 4.47 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL034751.D
Acq: 29 Feb 2020 00:28

Tgt Ion:101 Resp: 6421

Ion	Ratio	Lower	Upper
101	100		
151	96.6	55.8	83.6#



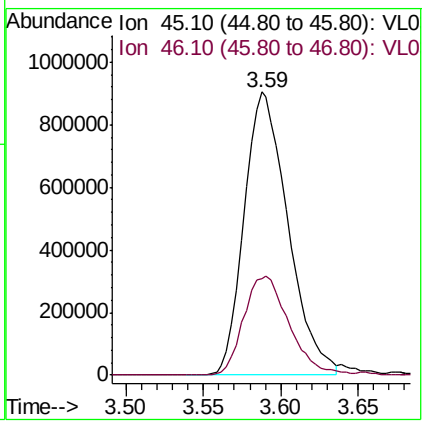


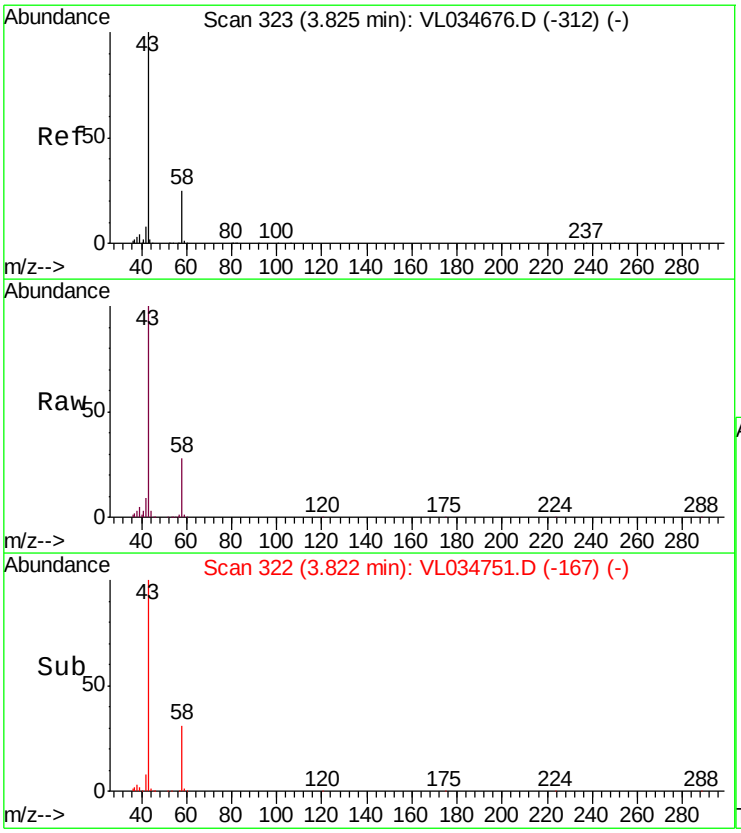
#13
Ethanol
Concen: 119.520 ppbv
RT: 3.59 min Scan# 249
Delta R.T. 0.01 min
Lab File: VL034751.D
Acq: 29 Feb 2020 00:28

Instrument :
MSVOA_L
ClientSampleId :
SG-9-TROPHY-CASE

Tgt Ion: 45 Resp: 1785165

Ion	Ratio	Lower	Upper
45	100		
46	36.8	15.4	61.4

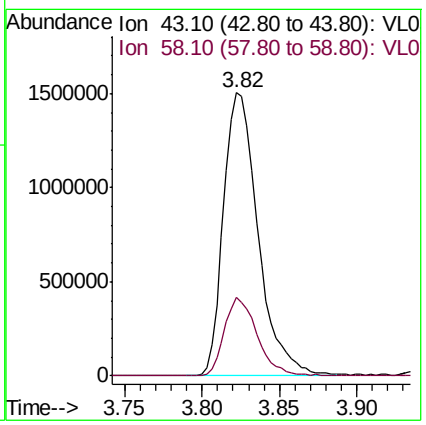


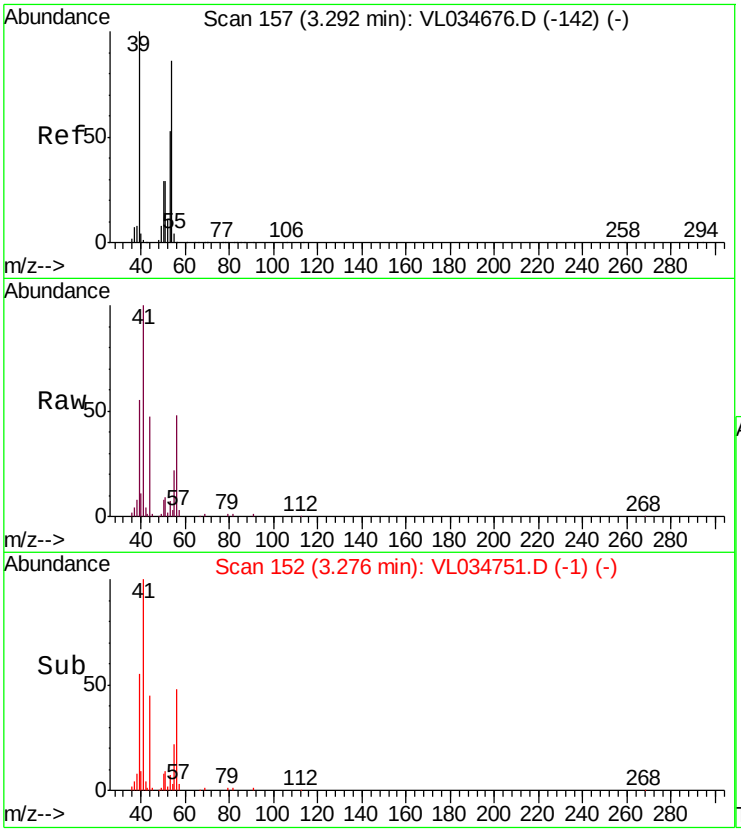


#15
Acetone
Concen: 19.542 ppbv
RT: 3.82 min Scan# 322
Delta R.T. -0.00 min
Lab File: VL034751.D
Acq: 29 Feb 2020 00:28

Tgt Ion: 43 Resp: 2333832

Ion	Ratio	Lower	Upper
43	100		
58	26.3	21.4	32.0



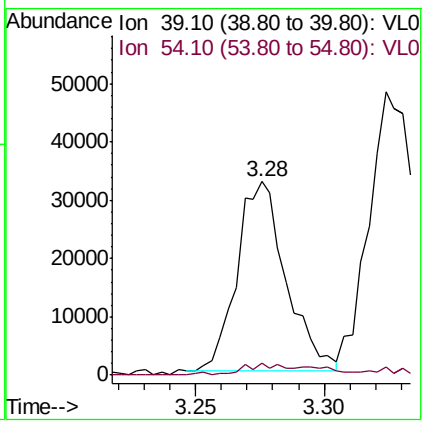


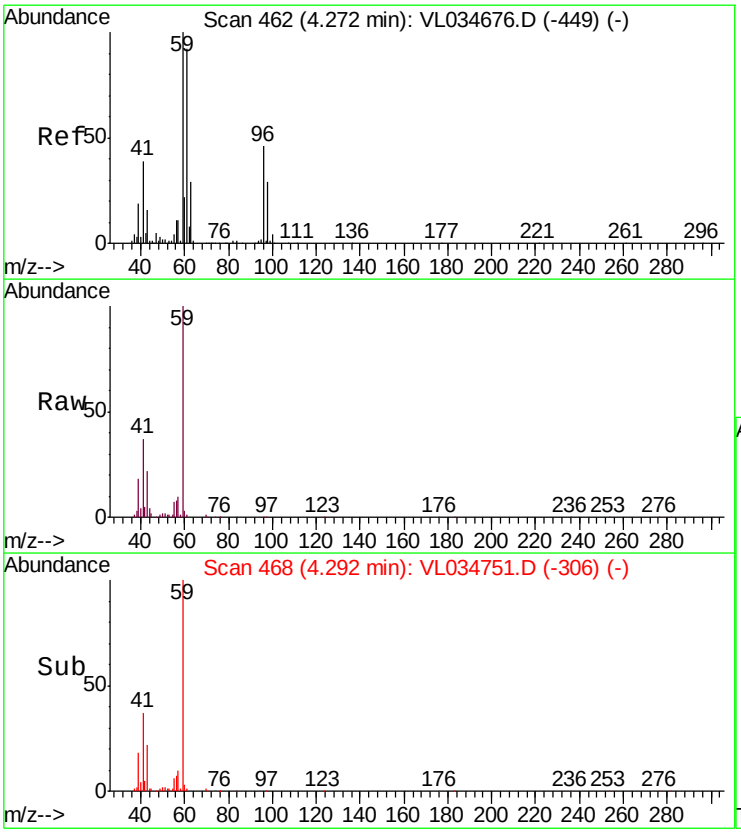
#16
1,3-Butadiene
Concen: 0.777 ppbv
RT: 3.28 min Scan# 152
Delta R.T. -0.02 min
Lab File: VL034751.D
Acq: 29 Feb 2020 00:28

Instrument :
MSVOA_L
ClientSampleId :
SG-9-TROPHY-CASE

Tgt Ion: 39 Resp: 42939

Ion	Ratio	Lower	Upper
39	100		
54	11.1	67.0	100.6#

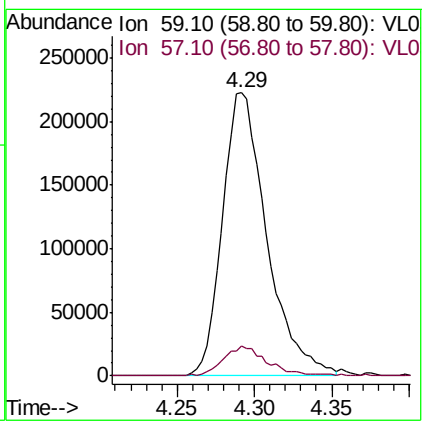


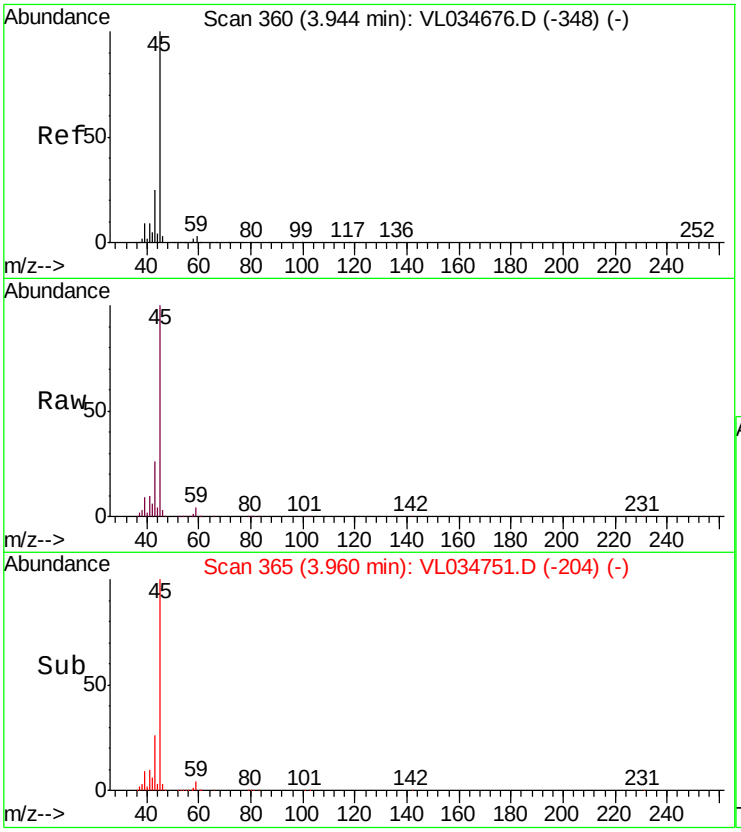


#17
tert-Butyl alcohol
Concen: 4.835 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.02 min
Lab File: VL034751.D
Acq: 29 Feb 2020 00:28

Tgt Ion: 59 Resp: 442447

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.8	13.2



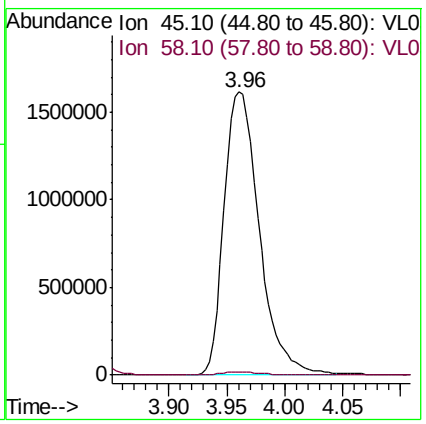


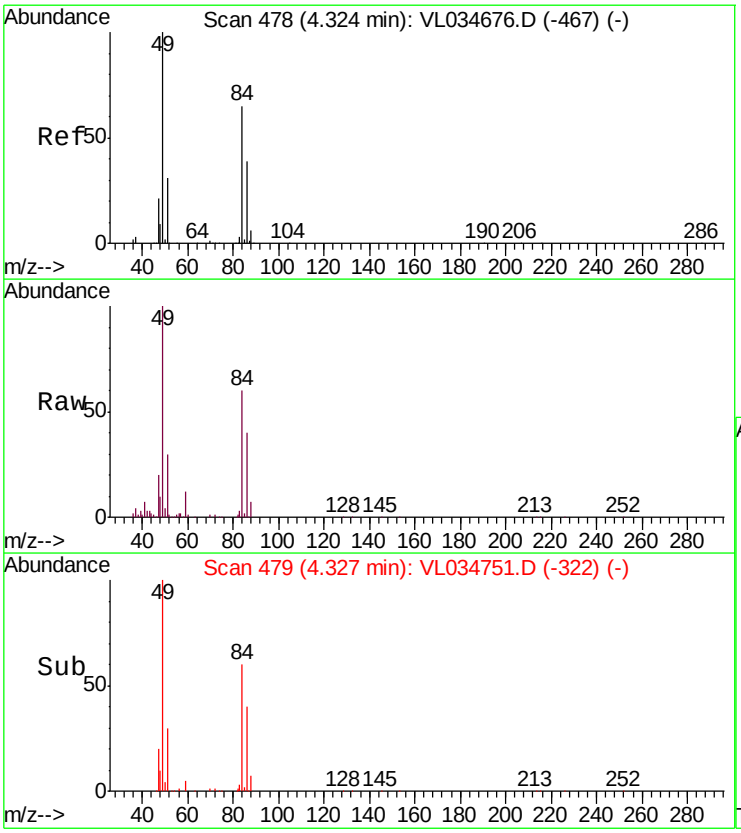
#19
Isopropyl Alcohol
Concen: 47.651 ppbv
RT: 3.96 min Scan# 365
Delta R.T. 0.02 min
Lab File: VL034751.D
Acq: 29 Feb 2020 00:28

Instrument :
MSVOA_L
ClientSampleId :
SG-9-TROPHY-CASE

Tgt Ion: 45 Resp: 3389730

Ion	Ratio	Lower	Upper
45	100		
58	1.4	1.8	2.6#

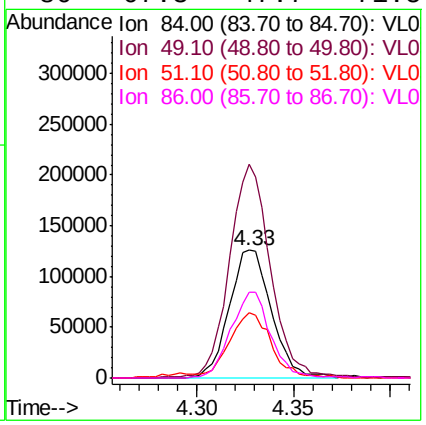


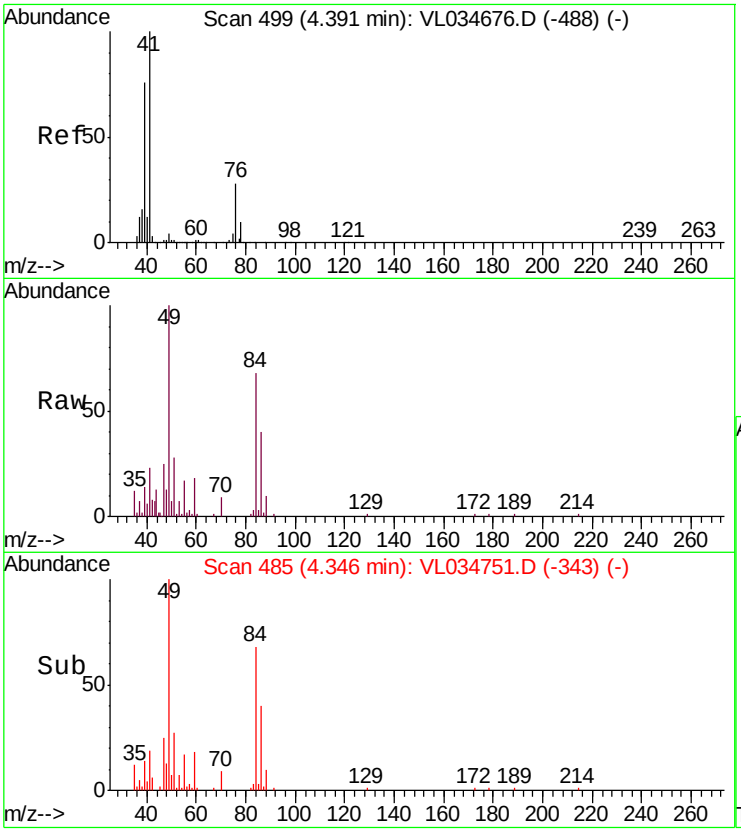


#20
Methylene Chloride
Concen: 4.285 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL034751.D
Acq: 29 Feb 2020 00:28

Tgt Ion: 84 Resp: 190326

Ion	Ratio	Lower	Upper
84	100		
49	166.1	122.8	184.2
51	49.6	38.6	58.0
86	67.3	47.7	71.5



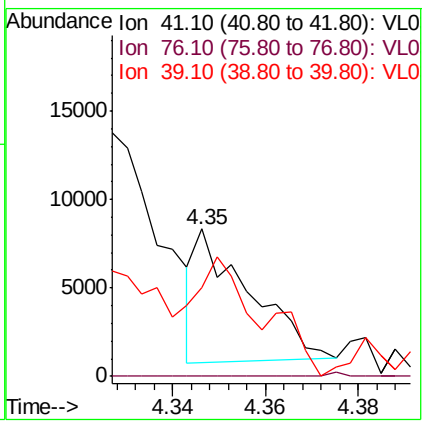


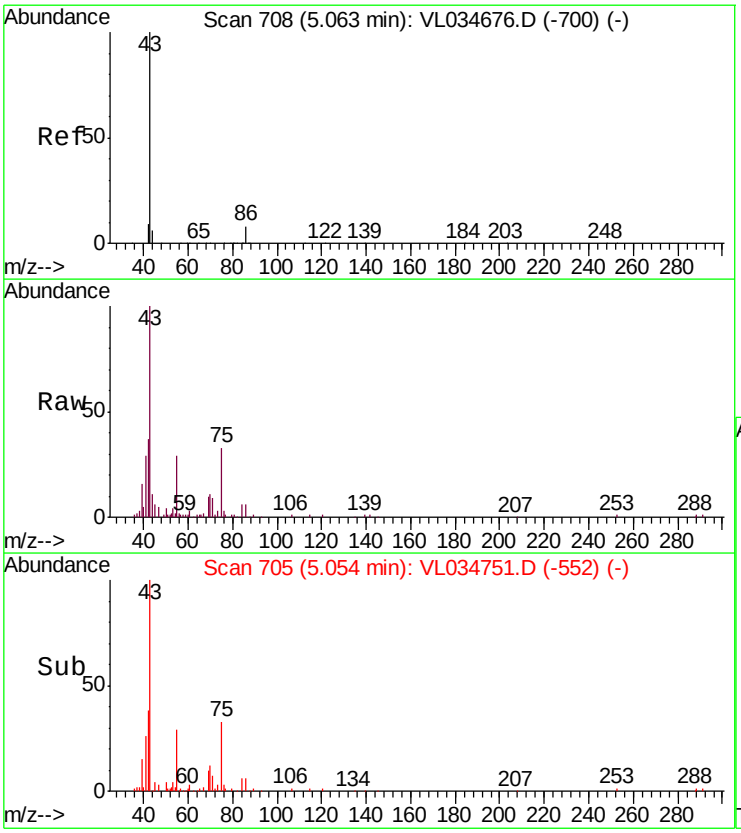
#21
Allyl Chloride
Concen: 0.076 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.04 min
Lab File: VL034751.D
Acq: 29 Feb 2020 00:28

Instrument :
MSVOA_L
ClientSampleId :
SG-9-TROPHY-CASE

Tgt Ion: 41 Resp: 6013

Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.8	34.2#
39	0.0	61.7	92.5#

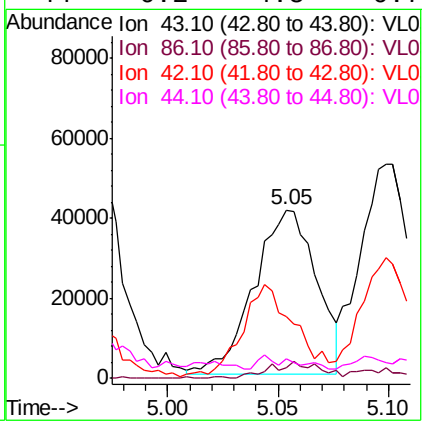


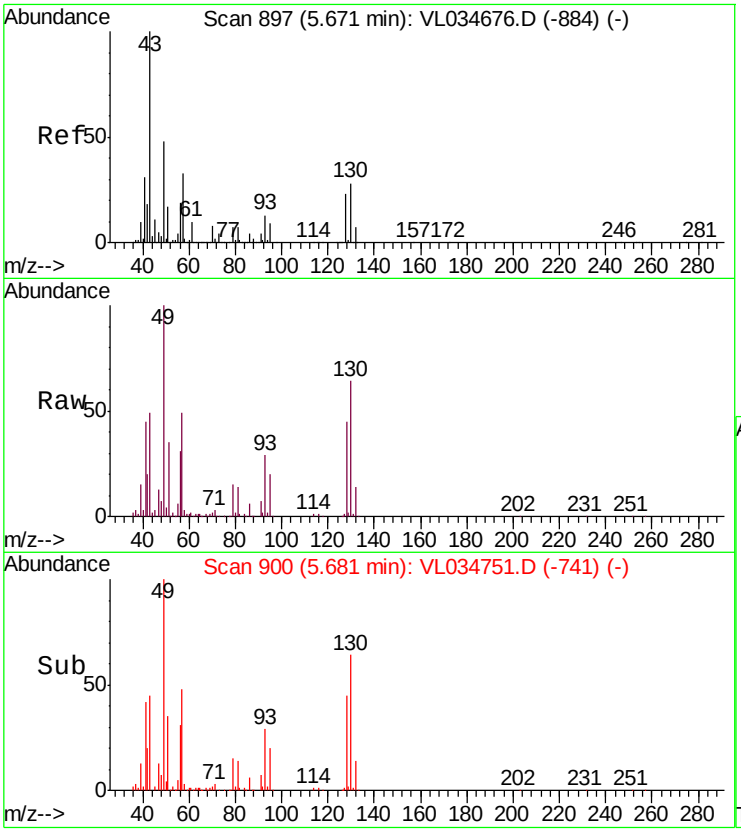


#23
Vinyl Acetate
Concen: 0.496 ppbv
RT: 5.05 min Scan# 705
Delta R.T. -0.01 min
Lab File: VL034751.D
Acq: 29 Feb 2020 00:28

Tgt Ion: 43 Resp: 80463

Ion	Ratio	Lower	Upper
43	100		
86	5.7	6.0	9.0#
42	31.2	8.0	12.0#
44	6.2	4.5	6.7



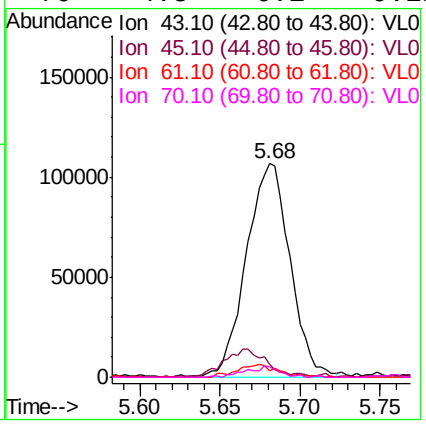


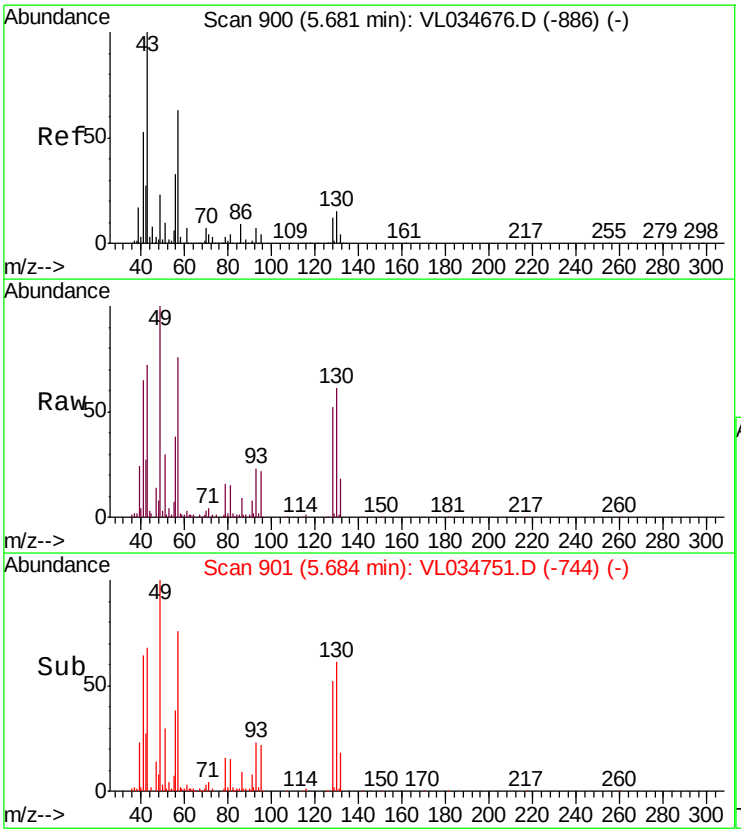
#25
Ethyl Acetate
Concen: 0.940 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL034751.D
Acq: 29 Feb 2020 00:28

Instrument :
MSVOA_L
ClientSampleId :
SG-9-TROPHY-CASE

Tgt Ion: 43 Resp: 198687

Ion	Ratio	Lower	Upper
43	100		
45	12.9	8.2	12.4#
61	5.9	7.8	11.6#
70	4.3	6.1	9.1#

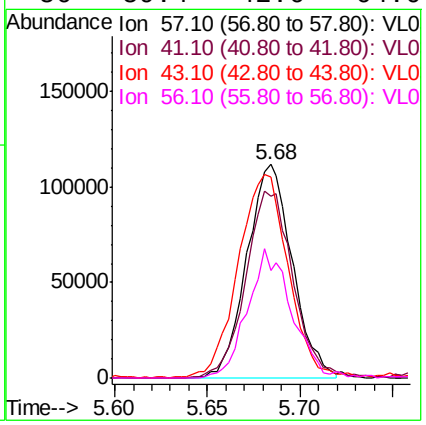


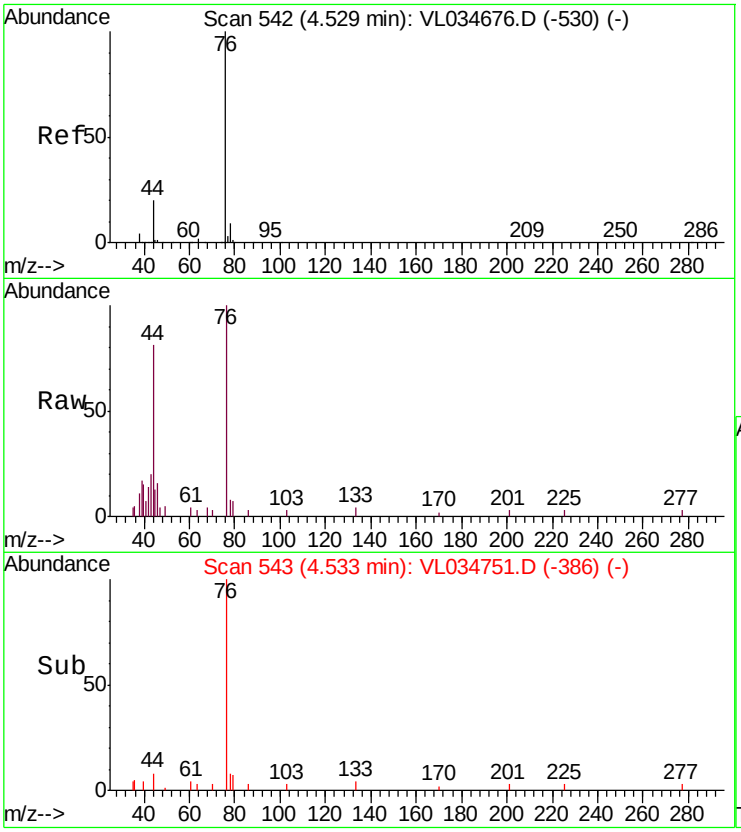


#26
Hexane
Concen: 1.952 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL034751.D
Acq: 29 Feb 2020 00:28

Tgt Ion: 57 Resp: 190198

Ion	Ratio	Lower	Upper
57	100		
41	92.2	70.3	105.5
43	105.2	177.0	265.4#
56	59.4	42.6	64.0



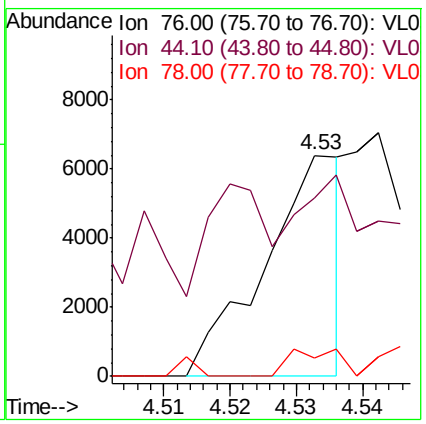


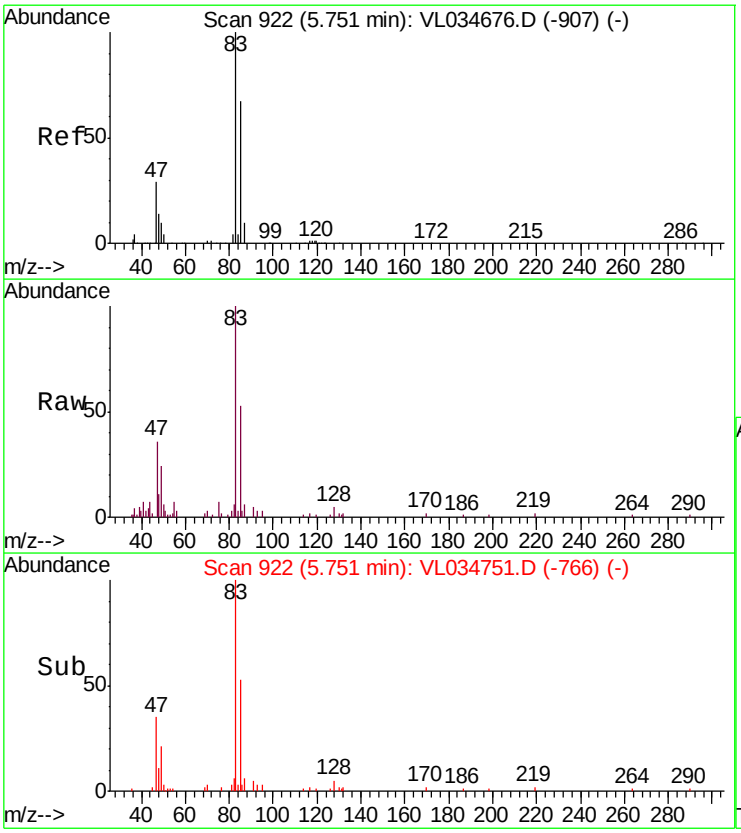
#27
Carbon Disulfide
Concen: 0.047 ppbv
RT: 4.53 min Scan# 543
Delta R.T. 0.00 min
Lab File: VL034751.D
Acq: 29 Feb 2020 00:28

Instrument : MSVOA_L
ClientSampleId : SG-9-TROPHY-CASE

Tgt Ion: 76 Resp: 5187

Ion	Ratio	Lower	Upper
76	100		
44	119.9	15.3	22.9#
78	10.0	7.6	11.4

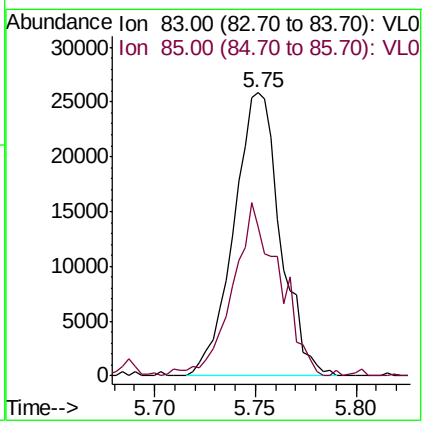


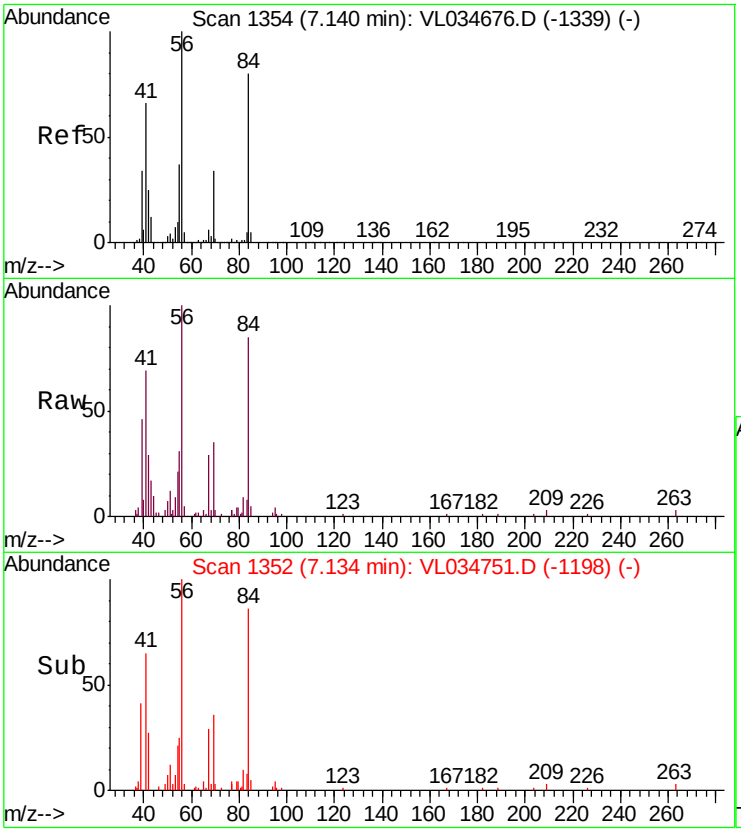


#29
Chloroform
Concen: 0.270 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.00 min
Lab File: VL034751.D
Acq: 29 Feb 2020 00:28

Tgt Ion: 83 Resp: 41842

Ion	Ratio	Lower	Upper
83	100		
85	50.8	53.9	80.9#



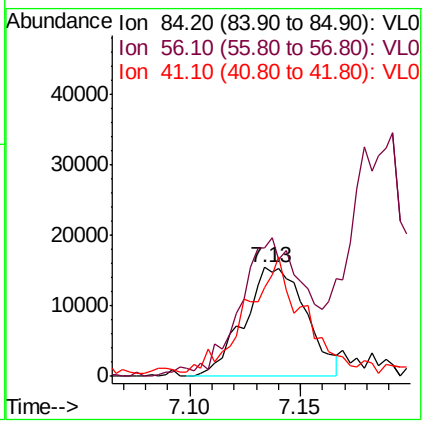


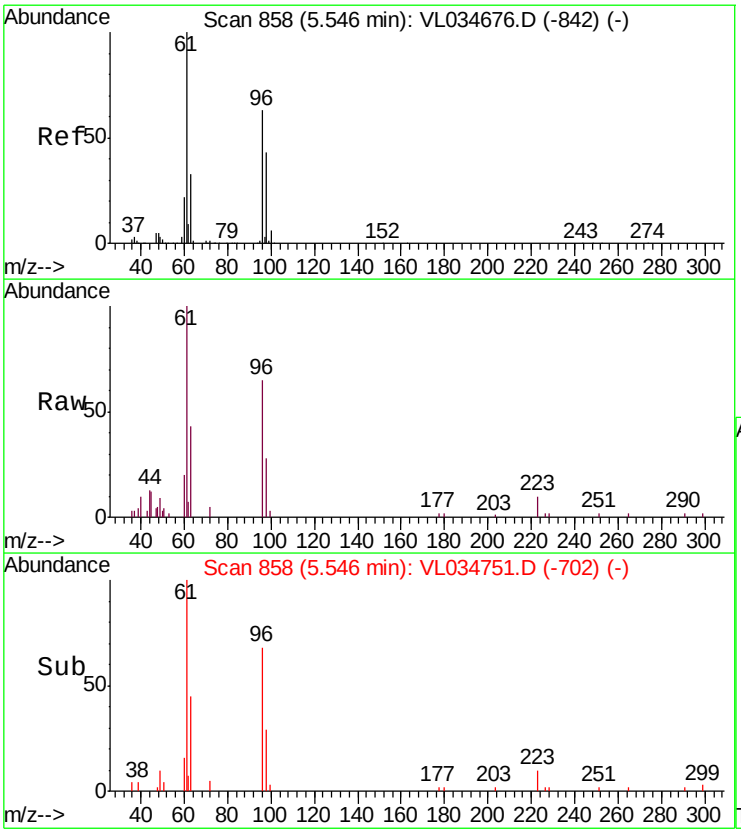
#30
Cyclohexane
Concen: 0.397 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL034751.D
Acq: 29 Feb 2020 00:28

Instrument :
MSVOA_L
ClientSampleId :
SG-9-TROPHY-CASE

Tgt Ion: 84 Resp: 30006

Ion	Ratio	Lower	Upper
84	100		
56	134.1	113.4	170.2
41	110.3	68.2	102.4#

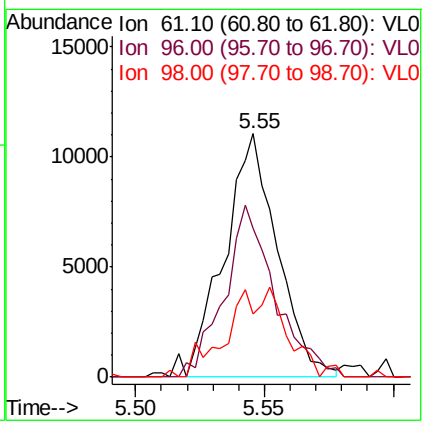


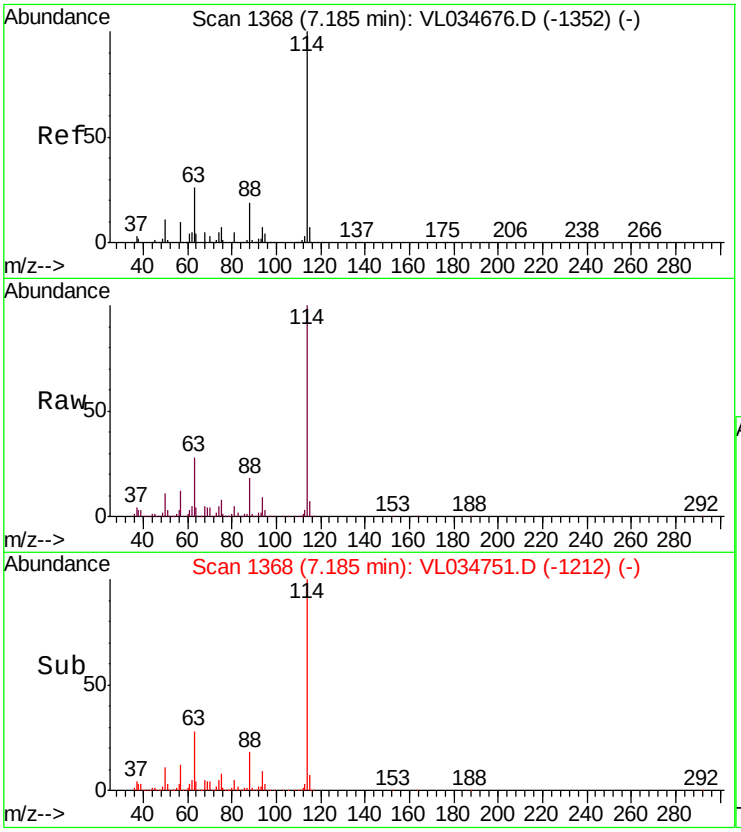


#31
cis-1,2-Dichloroethene
Concen: 0.165 ppbv
RT: 5.55 min Scan# 858
Delta R.T. 0.00 min
Lab File: VL034751.D
Acq: 29 Feb 2020 00:28

Tgt Ion: 61 Resp: 15777

Ion	Ratio	Lower	Upper
61	100		
96	57.3	50.2	75.2
98	26.0	34.3	51.5#



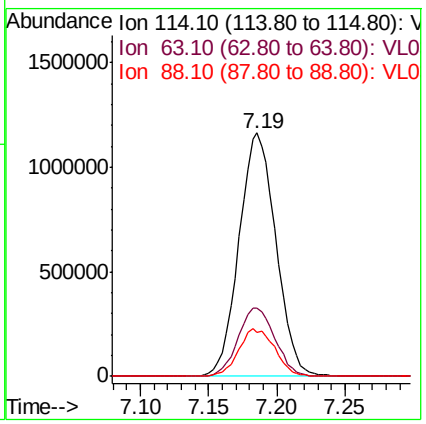


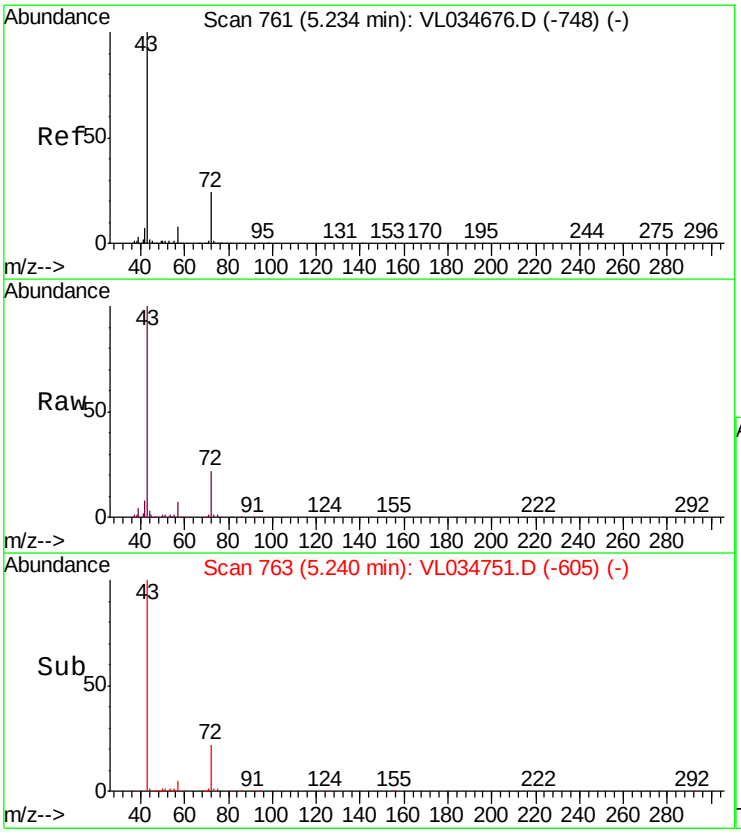
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VL034751.D
Acq: 29 Feb 2020 00:28

Instrument :
MSVOA_L
ClientSampleId :
SG-9-TROPHY-CASE

Tgt Ion:114 Resp: 2183299

Ion	Ratio	Lower	Upper
114	100		
63	28.2	22.9	34.3
88	19.3	15.8	23.6





#34
2-Butanone
Concen: 2.712 ppbv
RT: 5.24 min Scan# 763
Delta R.T. 0.01 min
Lab File: VL034751.D
Acq: 29 Feb 2020 00:28

Tgt Ion: 43 Resp: 372638

Ion	Ratio	Lower	Upper
43	100		
72	22.5	18.2	27.2