Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032122\
Data File : VL038651.D
Acq On : 21 Mar 2022 14:31
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Mar 31 07:30:24 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 21 17:09:26 2022
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	984828	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2447127	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2170318	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	1649419	9.91	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	80728	0.610	ppbv	98
3) Chlorodifluoromethane	2.99	51	53136	0.511	ppbv	98
4) Chloromethane	3.14	50	29204	0.511	ppbv	99
5) Vinyl Chloride	3.26	62	28062	0.484	ppbv	98
6) Bromomethane	3.48	94	14400	0.466	ppbv	98
7) Chloroethane	3.56	64	8652	0.450	ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	64314	0.487	ppbv	92
9) Propene	3.02	41	22502	0.448	ppbv	86
10) Heptane	8.11	43	51799	0.432	ppbv	91
11) Trichlorofluoromethane	3.95	101	60375	0.517	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.48	101	42925	0.477	ppbv	90
13) Ethanol	3.60	45	241	0.044	ppbv #	37
14) Bromoethene	3.74	108	17129	0.428	ppbv #	81
15) Acetone	3.86	43	41218	0.485	ppbv	94
16) 1,3-Butadiene	3.33	39	22227	0.461	ppbv	95
17) tert-Butyl alcohol	4.30	59	20366	0.274	ppbv #	78
18) 1,1-Dichloroethene	4.29	96	18445	0.456	ppbv	96
19) Isopropyl Alcohol	3.99	45	12527	0.266	ppbv #	85
20) Methylene Chloride	4.34	84	18150	0.507	ppbv	93
21) Allyl Chloride	4.41	41	28298	0.463	ppbv	88
22) trans-1,2-Dichloroethene	4.89	96	19926	0.475	ppbv	94
23) Vinyl Acetate	5.08	43	33003	0.401	ppbv #	96
24) 1,1-Dichloroethane	5.01	63	20078	0.248	ppbv	96
25) Ethyl Acetate	5.68	43	97571	0.456	ppbv #	95
26) Hexane	5.69	57	45998	0.480	ppbv	95
27) Carbon Disulfide	4.55	76	39049	0.416	ppbv #	91
28) Methyl tert-Butyl Ether	5.05	73	31546	0.442	ppbv	94
29) Chloroform	5.75	83	76112	0.496	ppbv	98
30) Cyclohexane	7.12	84	17737	0.213	ppbv #	1
31) cis-1,2-Dichloroethene	5.55	61	40592	0.451	ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	68839	0.465	ppbv	95
34) 2-Butanone	5.26	43	50539	0.522	ppbv	98
35) Carbon Tetrachloride	7.01	117	69094	0.487	ppbv	99
36) Benzene	6.89	78	90736	0.480	ppbv	96
37) 1,2-Dichloroethane	6.30	62	48006	0.500	ppbv	97
38) Trichloroethene	7.83	130	39426	0.498	ppbv	95
39) 1,2-Dichloropropane	7.61	63	38394	0.520	ppbv	97
40) 1,4-Dioxane	7.81	88	147	0.006	ppbv #	1
41) Tetrahydrofuran	6.07	42	11277	0.156	ppbv #	35
42) Bromodichloromethane	7.79	83	70008	0.486	ppbv	94
43) Methyl Methacrylate	8.01	69	29931	0.427	ppbv	95

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032122\
Data File : VL038651.D
Acq On : 21 Mar 2022 14:31
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Mar 31 07:30:24 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 21 17:09:26 2022
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	155233	0.490	ppbv		97
45) t-1,3-Dichloropropene	9.27	75	13528	0.190	ppbv		99
46) cis-1,3-Dichloropropene	8.69	75	37488	0.389	ppbv		94
47) 1,1,2-Trichloroethane	9.47	97	38861	0.493	ppbv		93
48) Dibromochloromethane	10.30	129	54585	0.442	ppbv		98
49) Bromoform	13.03	173	41362	0.411	ppbv		98
50) 4-Methyl-2-Pentanone	8.75	43	39589	0.220	ppbv	#	40
51) 2-Hexanone	10.15	43	13868	0.107	ppbv	#	1
52) Tetrachloroethene	11.21	164	32065	0.464	ppbv		94
53) Toluene	9.80	91	44000	0.217	ppbv	#	17
54) 1,2-Dibromoethane	10.60	107	45511	0.423	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.12	131	24897	0.277	ppbv	#	8
57) Chlorobenzene	12.14	112	83352	0.532	ppbv		98
58) Ethyl Benzene	12.70	91	111196	0.438	ppbv		95
59) m/p-Xylene	12.99	91	67614	0.305	ppbv	#	30
60) o-Xylene	13.69	91	94922	0.450	ppbv		98
61) Styrene	13.51	104	43717	0.383	ppbv		96
62) Isopropylbenzene	14.66	105	152991	0.483	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.67	83	75075	0.460	ppbv		92
64) n-propylbenzene	15.56	120	32599	0.392	ppbv	#	49
65) tert-Butylbenzene	16.73	119	136451	0.479	ppbv		96
66) Benzyl Chloride	16.98	91	2858	0.053	ppbv	#	65
67) sec-Butylbenzene	17.29	105	191641	0.471	ppbv		97
69) p-Isopropyltoluene	17.64	119	144105	0.434	ppbv		97
70) n-Butylbenzene	18.54	91	152483	0.445	ppbv		97
71) 2-Chlorotoluene	15.44	91	109802	0.467	ppbv		98
72) 4-Ethyltoluene	15.83	105	109742	0.441	ppbv	#	95
73) 1,3,5-Trimethylbenzene	15.99	105	98452	0.434	ppbv		95
74) 1,2,4-Trimethylbenzene	16.75	105	114030	0.462	ppbv	#	91
75) 1,3-Dichlorobenzene	16.99	146	71497	0.455	ppbv		95
76) 1,4-Dichlorobenzene	17.13	146	64368	0.412	ppbv		86
77) 1,2-Dichlorobenzene	17.81	146	73847	0.474	ppbv		94
78) Hexachloro-1,3-Butadiene	23.36	225	35167	0.244	ppbv	#	3
79) Naphthalene	22.19	128	71339	0.378	ppbv		97
80) Naphthalene,2-methyl-	24.97	142	15185	0.300	ppbv		87
81) 1,2,4-Trichlorobenzene	21.92	180	30435	0.236	ppbv	#	11

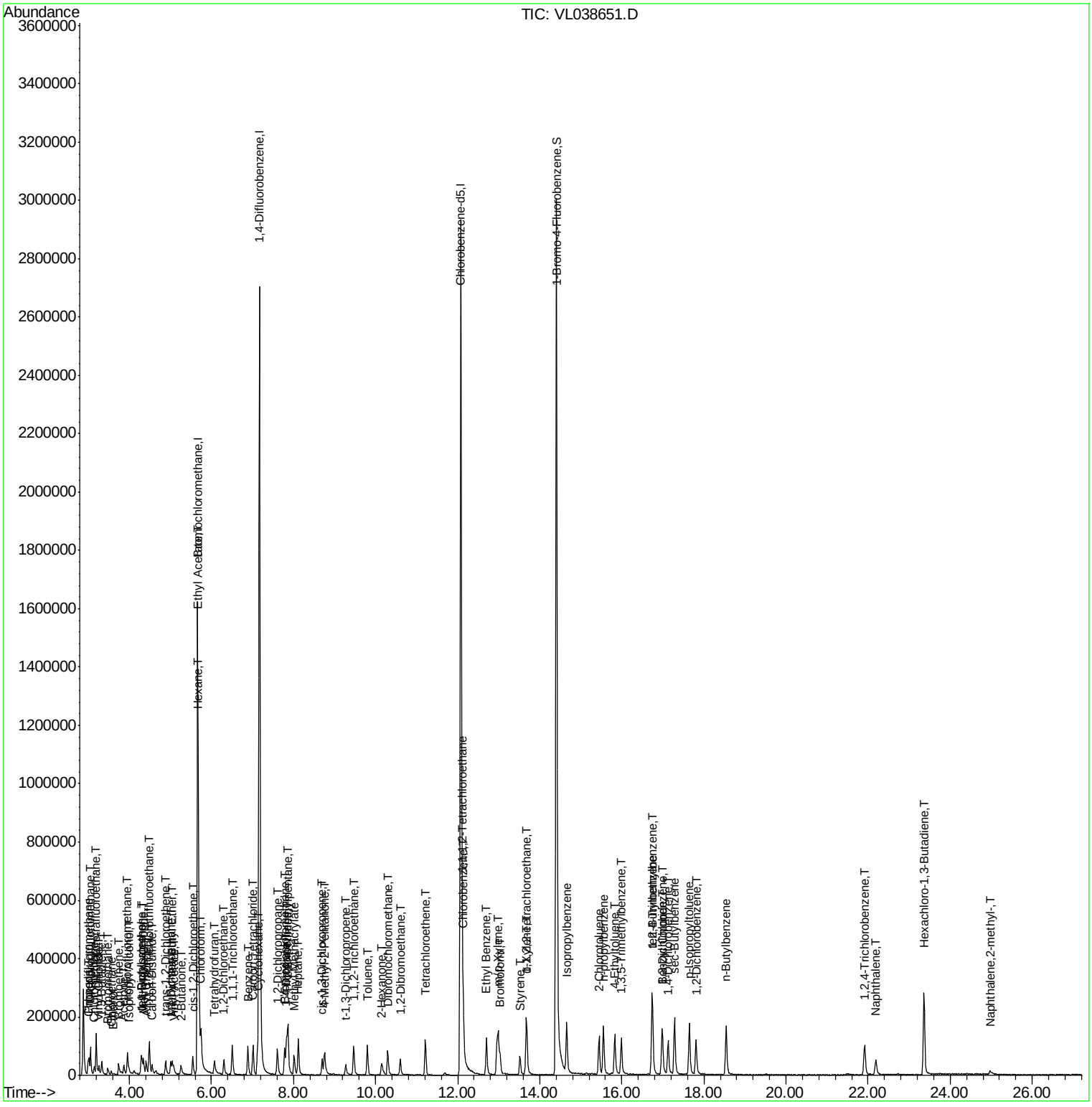
(#) = qualifier out of range (m) = manual integration (+) = signals summed

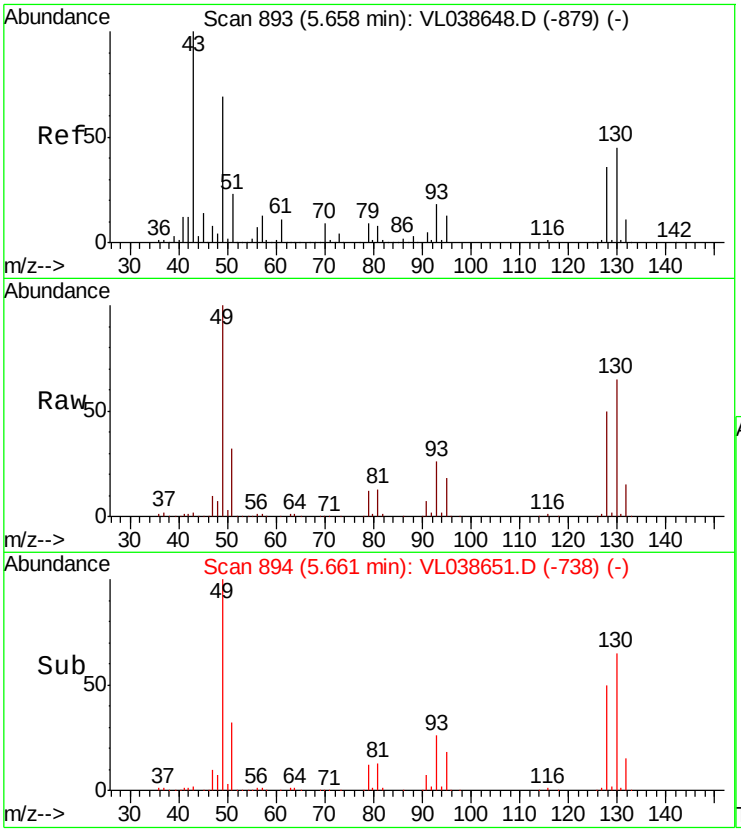
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032122\
Data File : VL038651.D
Acq On : 21 Mar 2022 14:31
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Mar 31 07:30:24 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 21 17:09:26 2022
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration



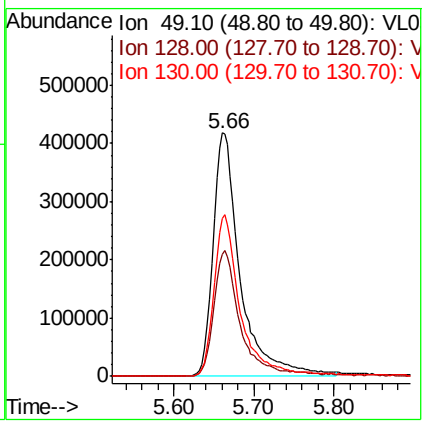


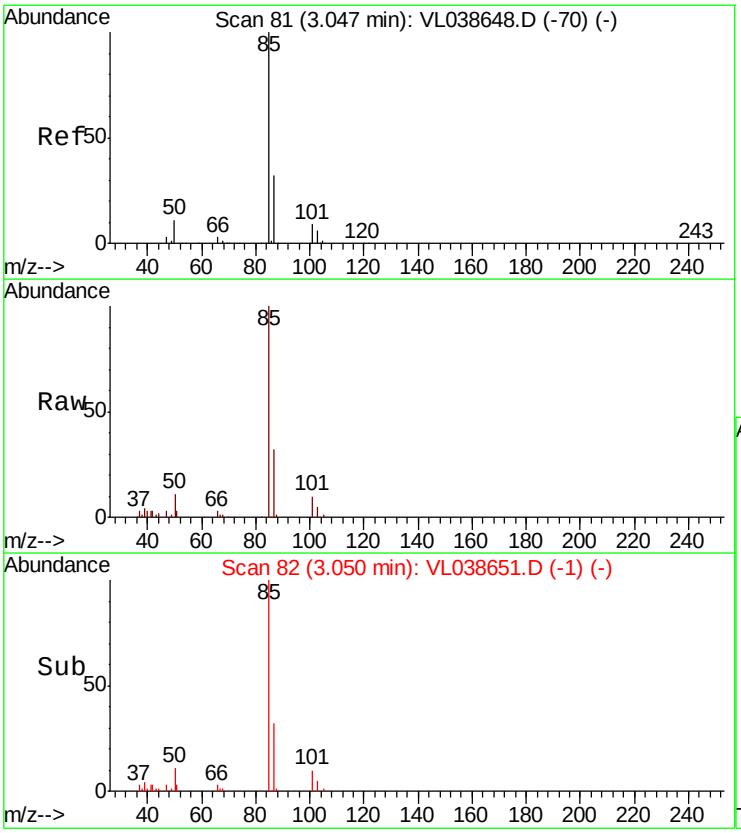
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 49 Resp: 984828

Ion	Ratio	Lower	Upper
49	100		
128	52.0	26.2	78.6
130	66.3	33.7	101.1

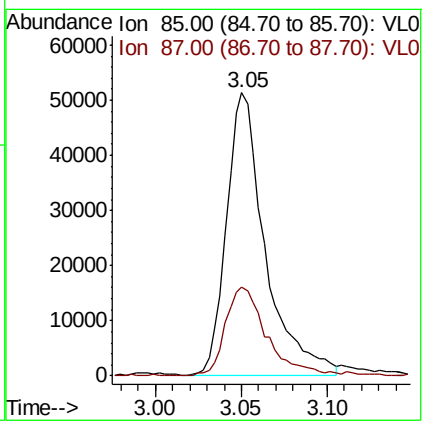


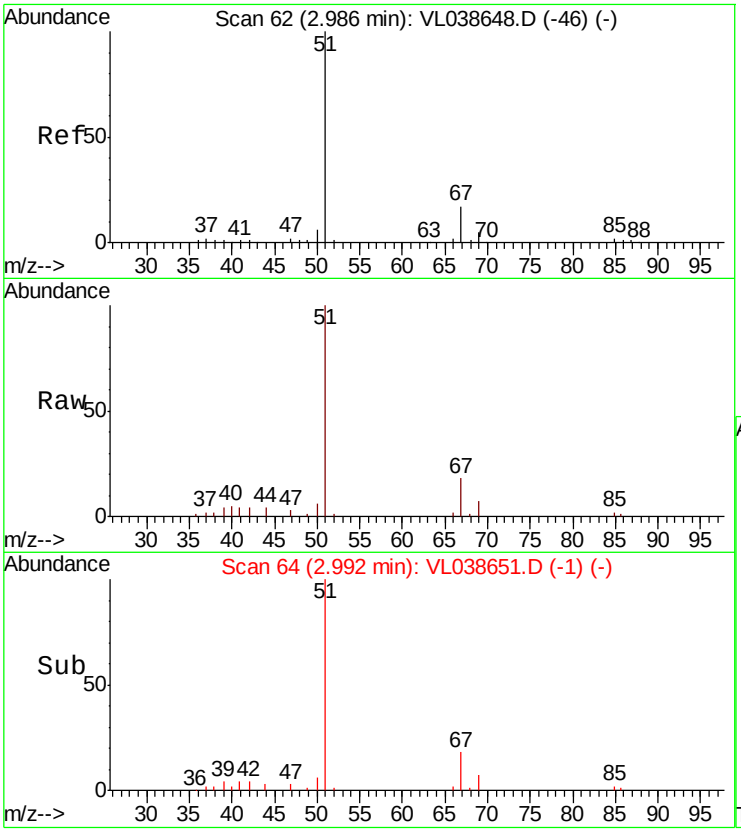


#2
Dichlorodifluoromethane
Concen: 0.610 ppbv
RT: 3.05 min Scan# 82
Delta R.T. 0.00 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion: 85 Resp: 80728

Ion	Ratio	Lower	Upper
85	100		
87	31.5	26.0	39.0



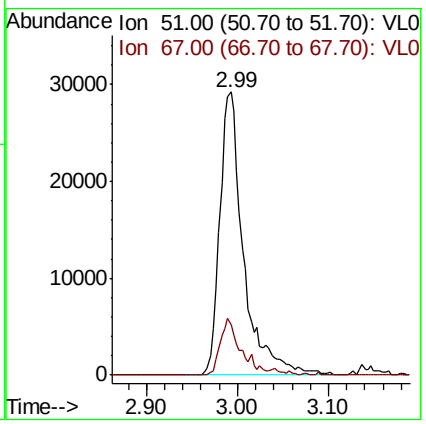


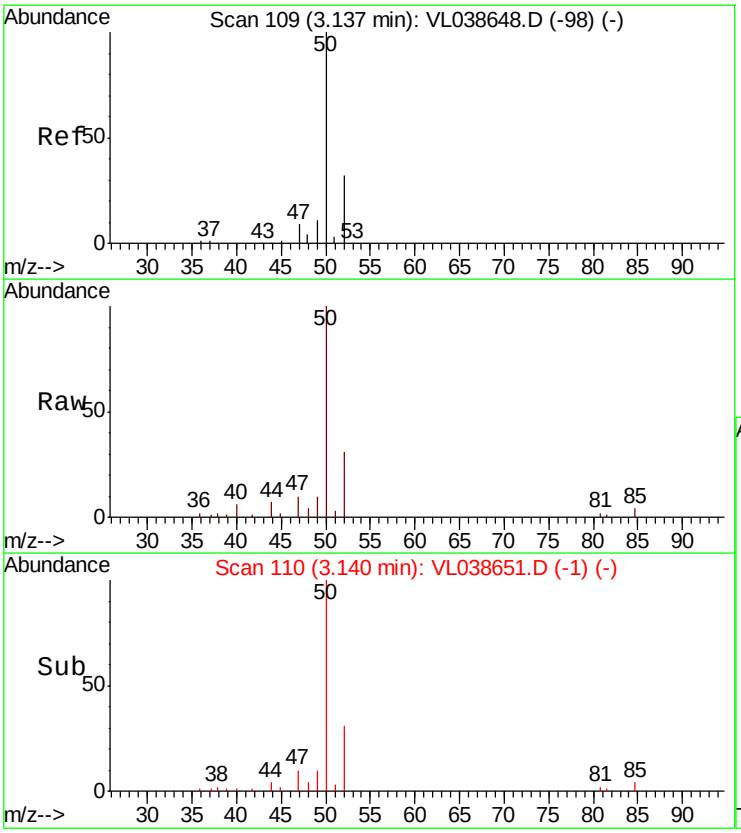
#3
Chlorodifluoromethane
Concen: 0.511 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 51 Resp: 53136

Ion	Ratio	Lower	Upper
51	100		
67	18.3	14.1	21.1

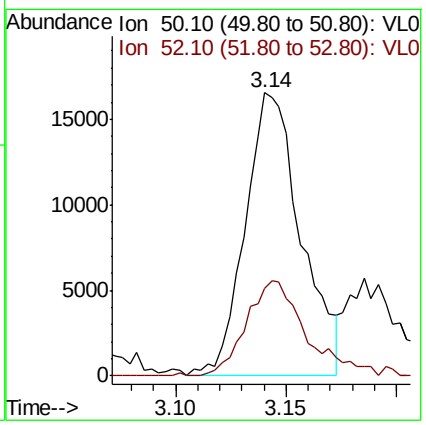


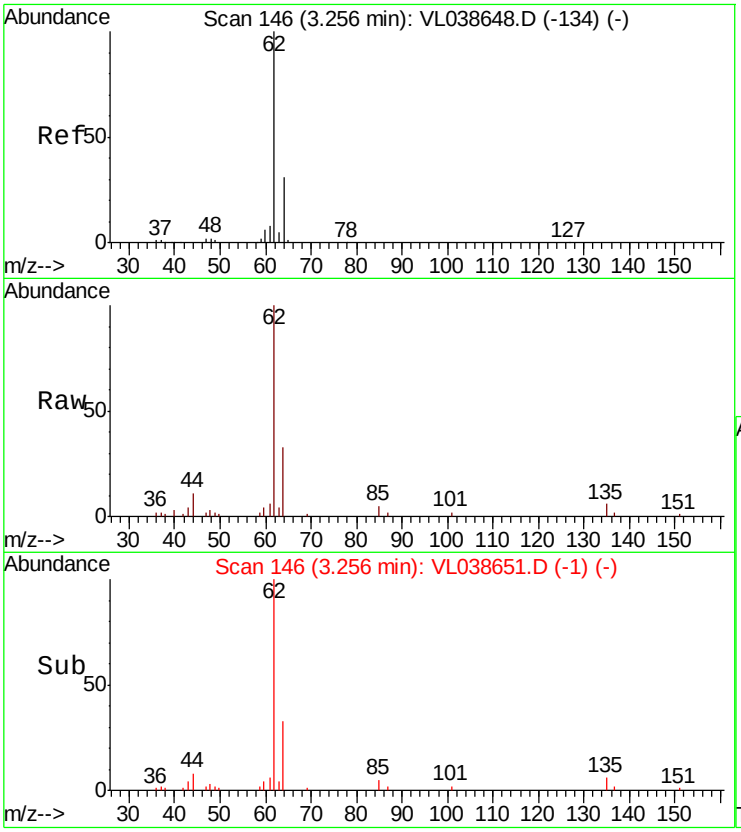


#4
Chloromethane
Concen: 0.511 ppbv
RT: 3.14 min Scan# 110
Delta R.T. 0.00 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion: 50 Resp: 29204

Ion	Ratio	Lower	Upper
50	100		
52	31.1	25.5	38.3



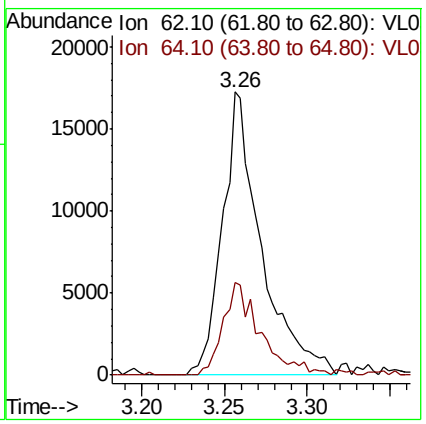


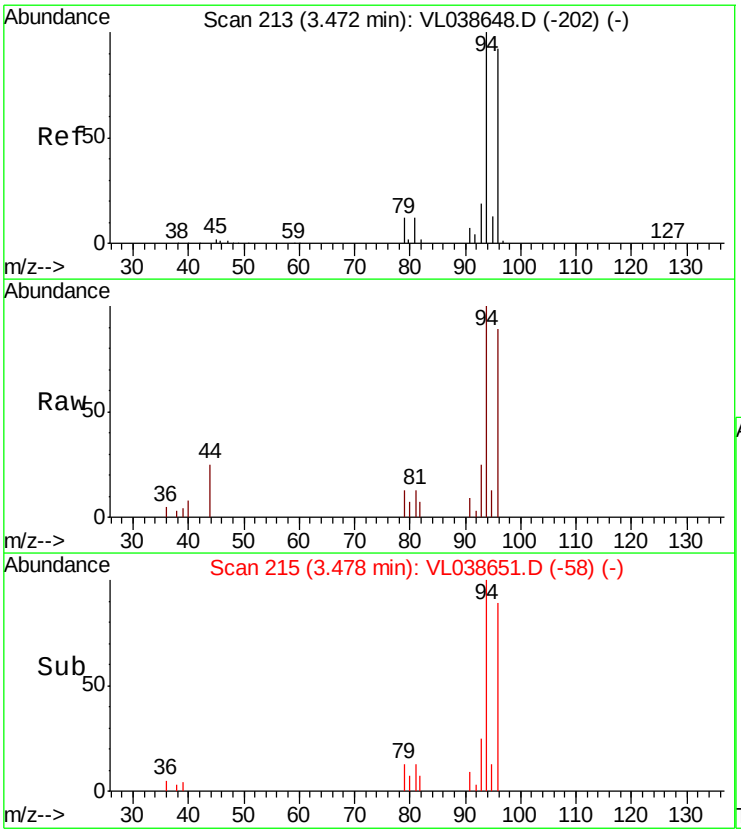
#5
Vinyl Chloride
Concen: 0.484 ppbv
RT: 3.26
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 28062

Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.0	37.4

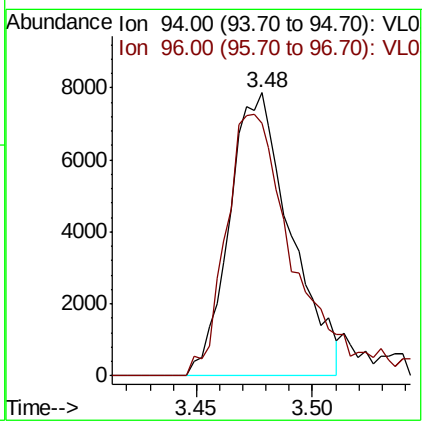


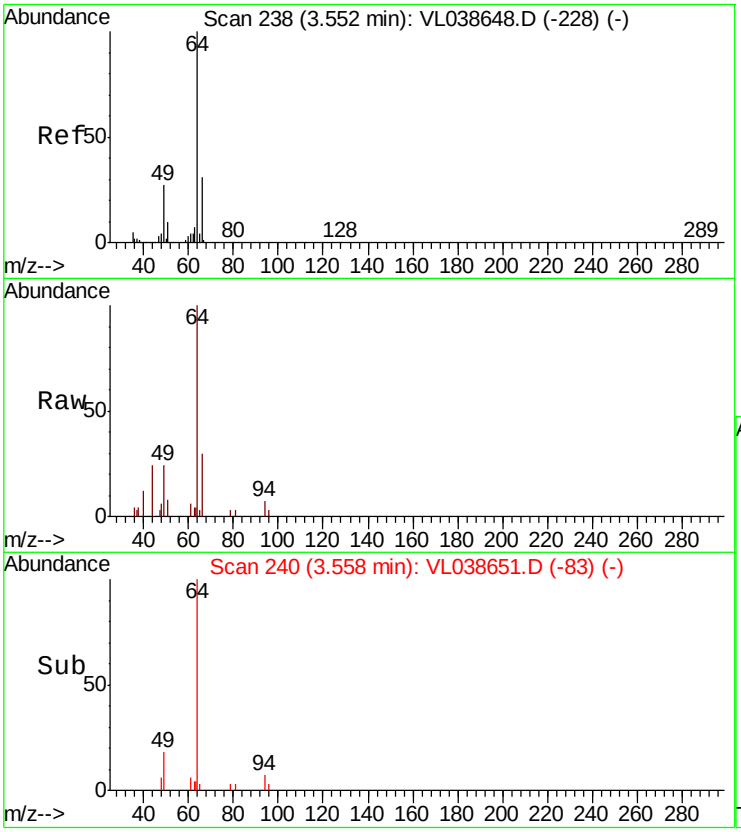


#6
Bromomethane
Concen: 0.466 ppbv
RT: 3.48 min Scan# 215
Delta R.T. 0.01 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion: 94 Resp: 14400

Ion	Ratio	Lower	Upper
94	100		
96	89.4	73.3	109.9



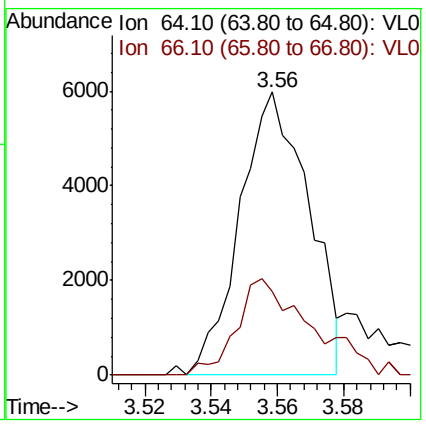


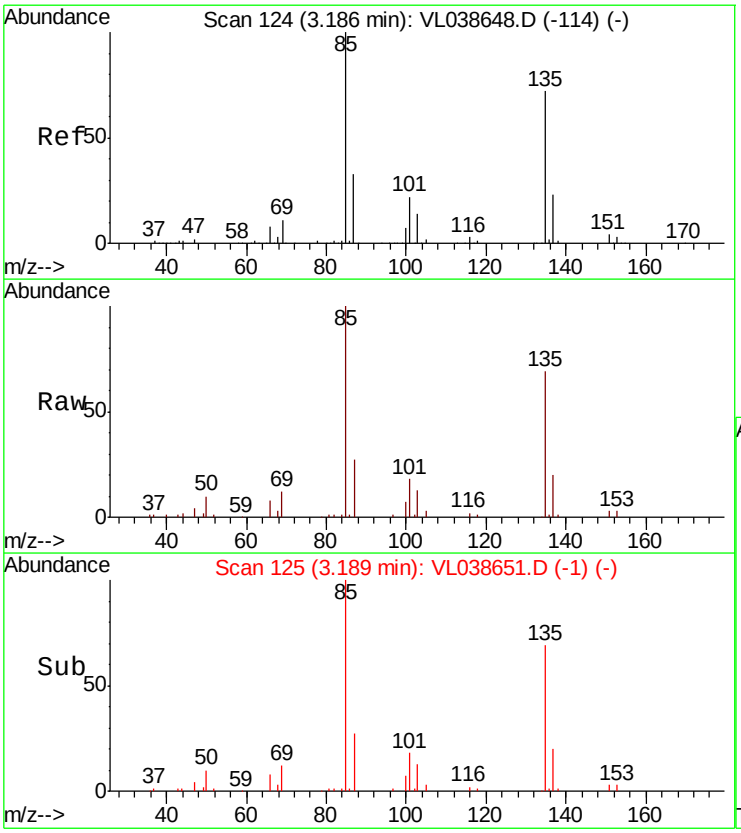
#7
Chloroethane
Concen: 0.450 ppbv
RT: 3.56
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 64 Resp: 8652

Ion	Ratio	Lower	Upper
64	100		
66	28.8	25.0	37.6

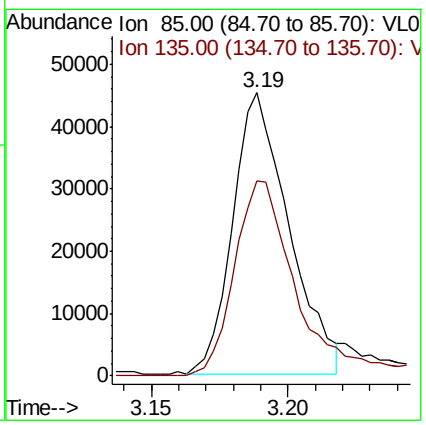


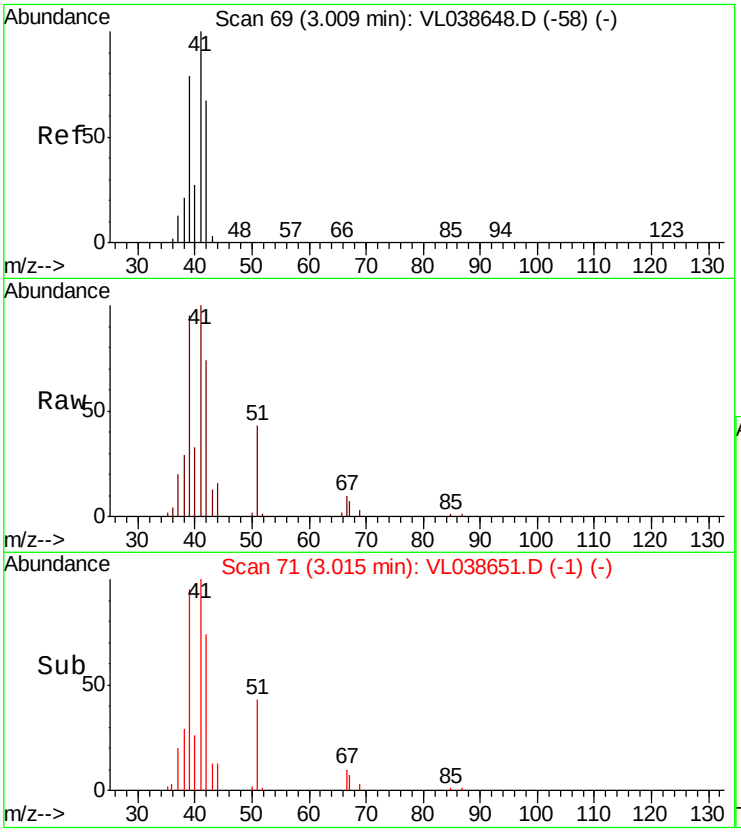


#8
Dichlorotetrafluoroethane
Concen: 0.487 ppbv
RT: 3.19 min Scan# 125
Delta R.T. 0.00 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion: 85 Resp: 64314

Ion	Ratio	Lower	Upper
85	100		
135	79.1	57.8	86.6



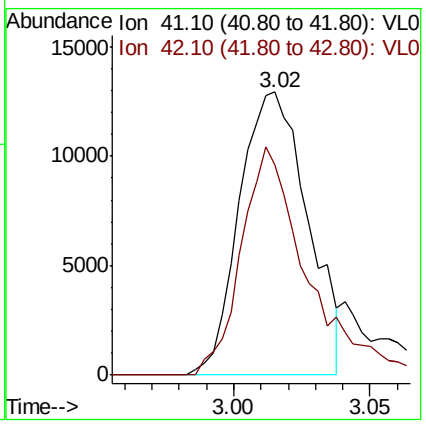


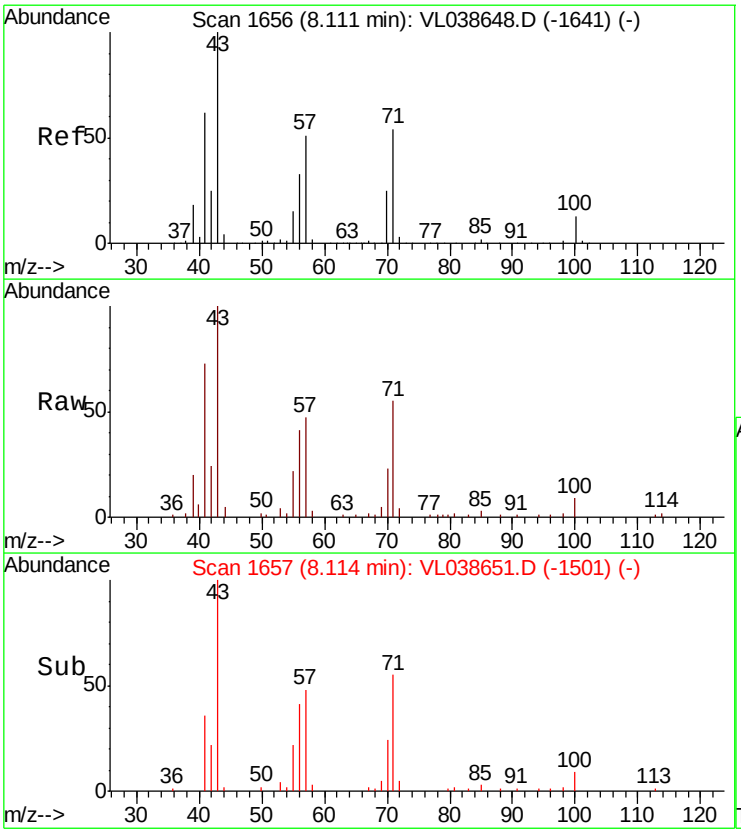
#9
Propene
Concen: 0.448 ppbv
RT: 3.02
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 22502

Ion	Ratio	Lower	Upper
41	100		
42	81.9	56.2	84.4

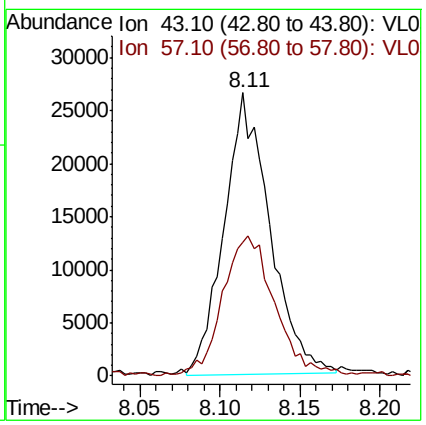


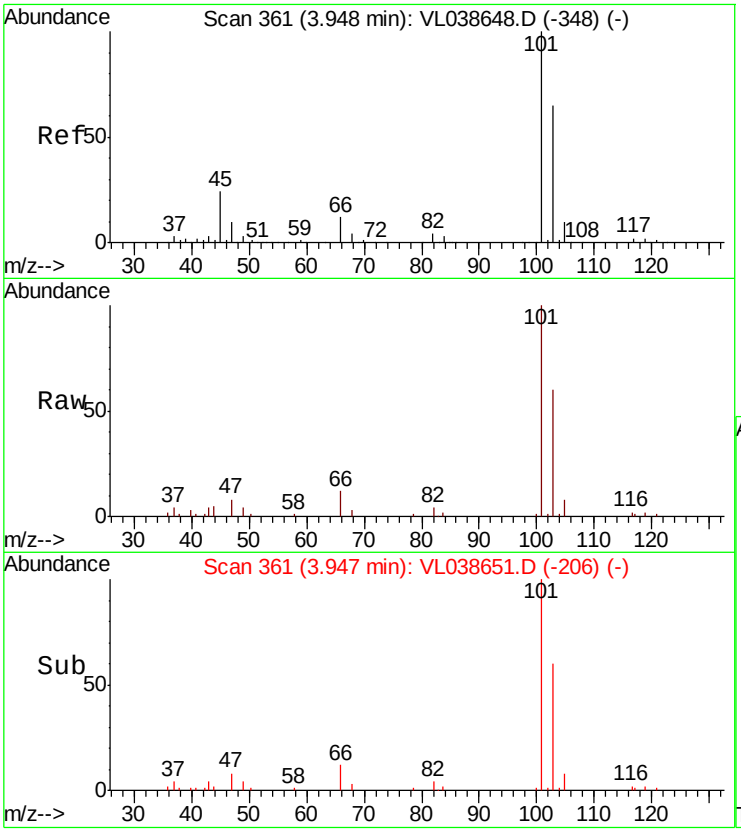


#10
Heptane
Concen: 0.432 ppbv
RT: 8.11 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion: 43 Resp: 51799

Ion	Ratio	Lower	Upper
43	100		
57	58.0	41.4	62.2



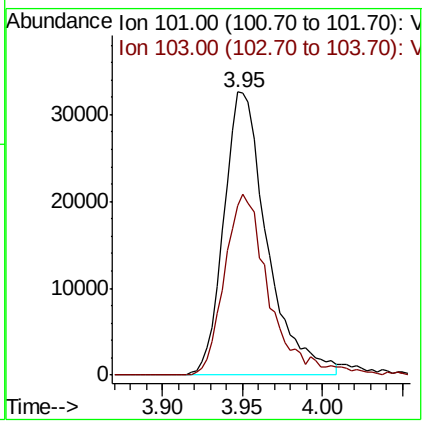


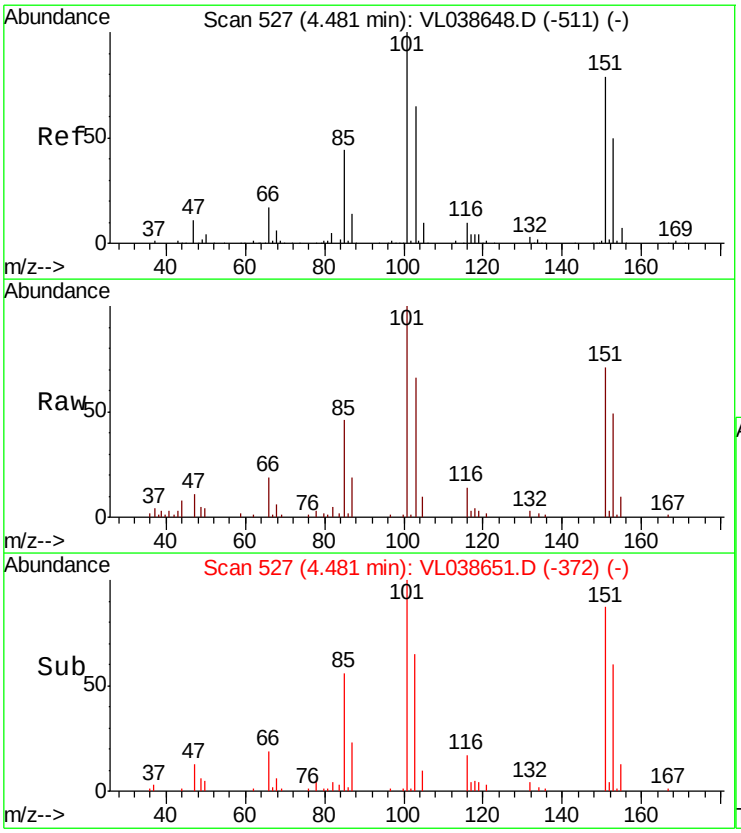
#11
Trichlorofluoromethane
Concen: 0.517 ppbv
RT: 3.95
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:101 Resp: 60375

Ion	Ratio	Lower	Upper
101	100		
103	60.0	51.9	77.9

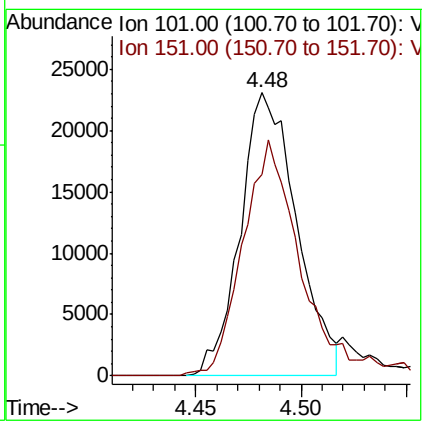


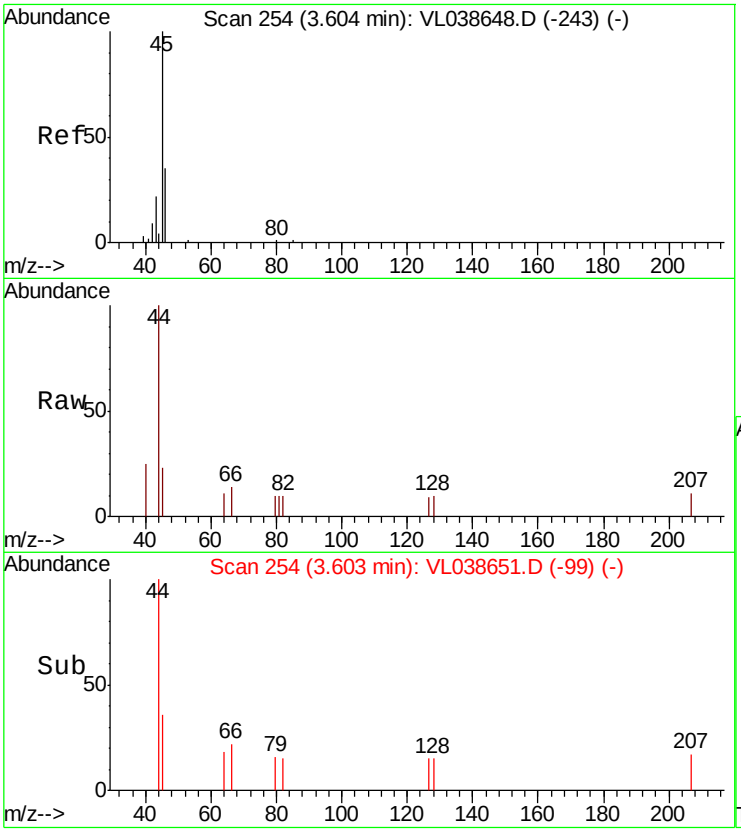


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.477 ppbv
RT: 4.48 min Scan# 527
Delta R.T. -0.00 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion:101 Resp: 42925

Ion	Ratio	Lower	Upper
101	100		
151	87.1	62.9	94.3



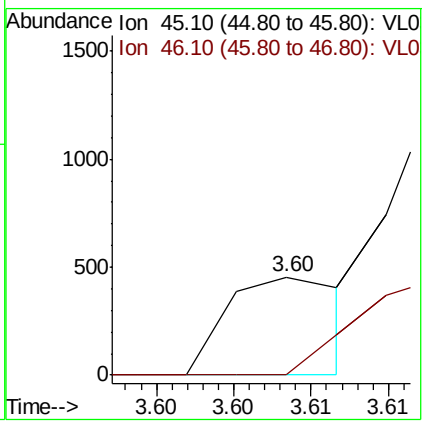


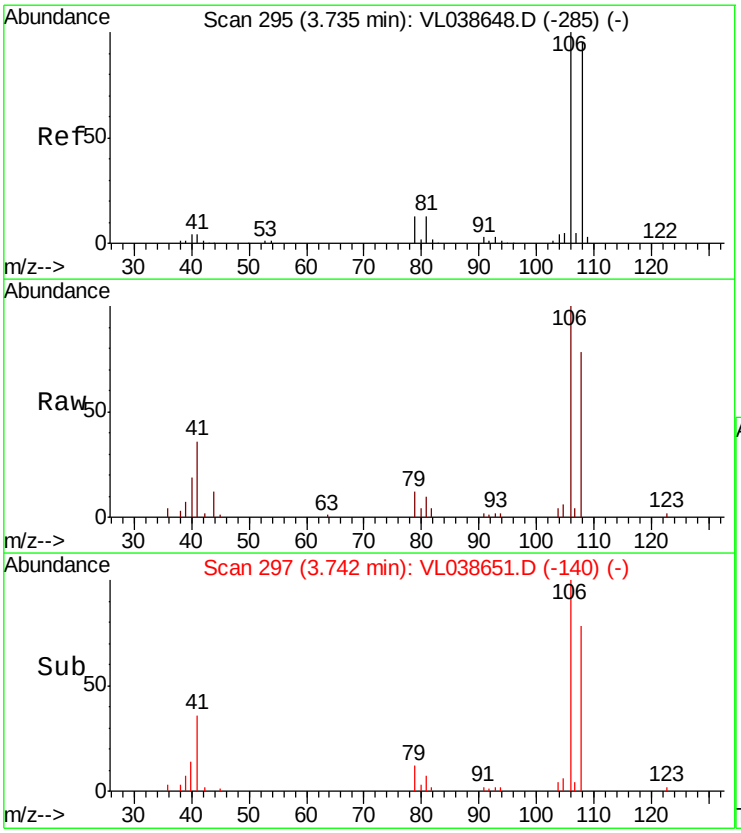
#13
Ethanol
Concen: 0.044 ppbv
RT: 3.60
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 241

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.1	60.5#

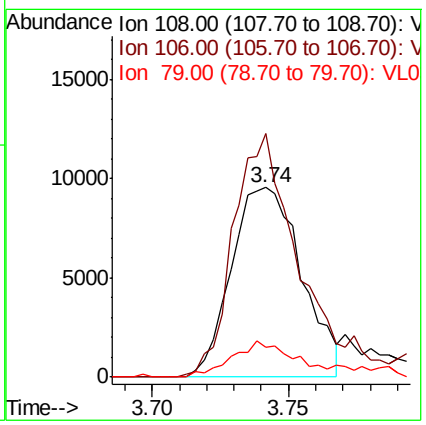


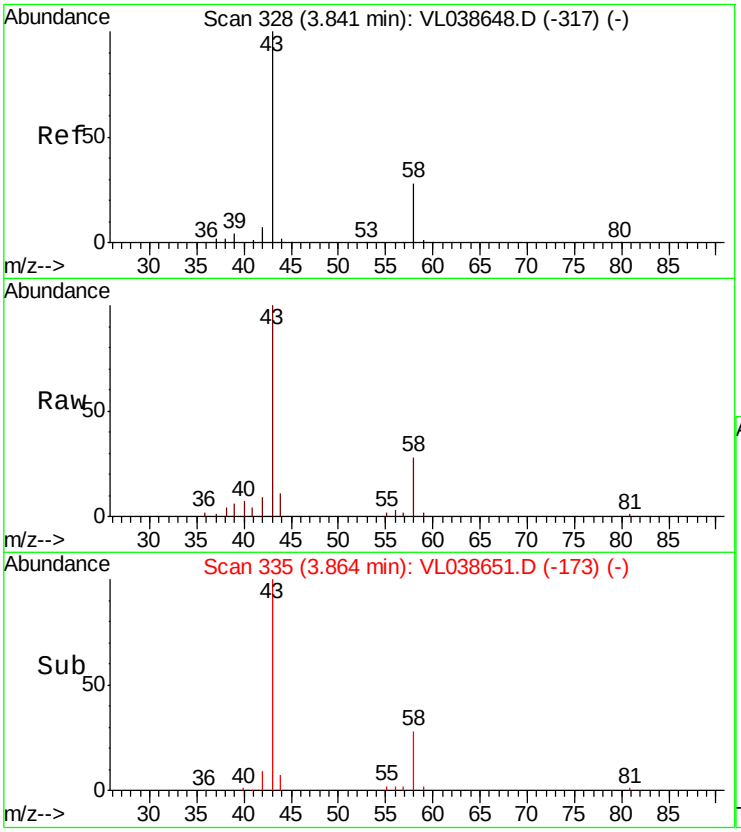


#14
Bromoethene
Concen: 0.428 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.01 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion:108 Resp: 17129

Ion	Ratio	Lower	Upper
108	100		
106	130.6	88.3	132.5
79	21.3	11.2	16.8#



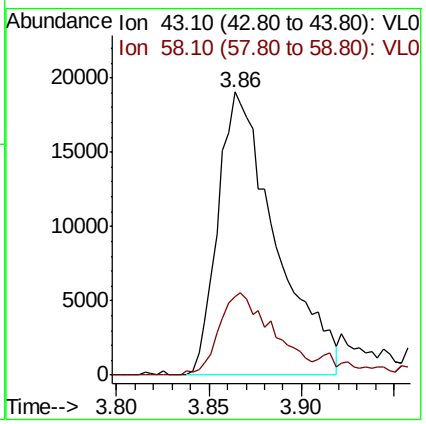


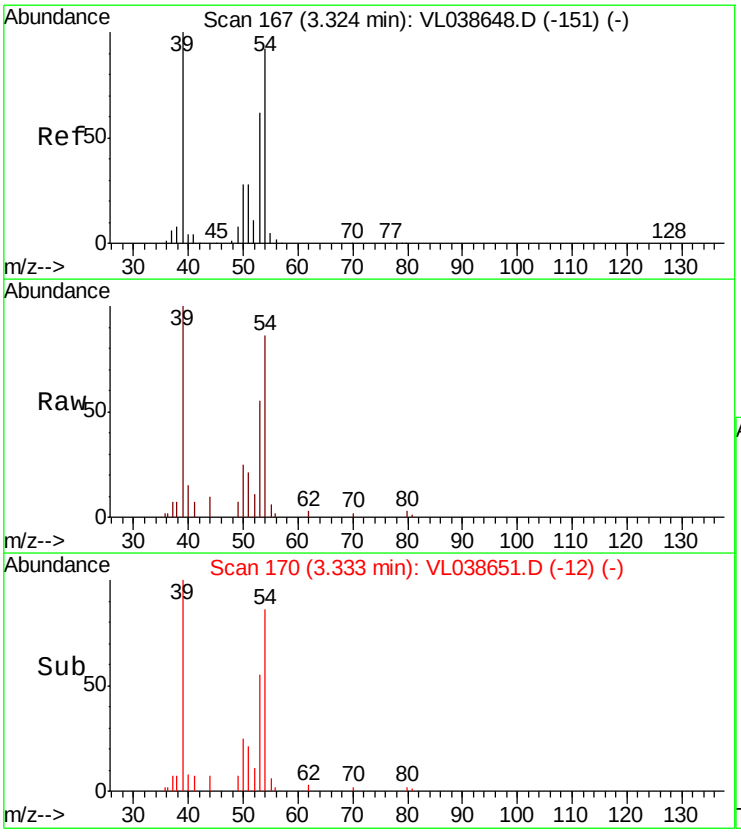
#15
Acetone
Concen: 0.485 ppbv
RT: 3.86
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 41218

Ion	Ratio	Lower	Upper
43	100		
58	32.4	23.3	34.9

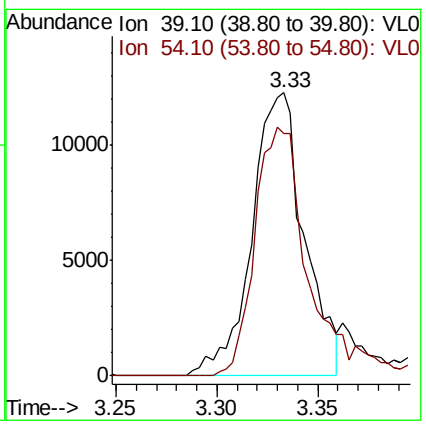


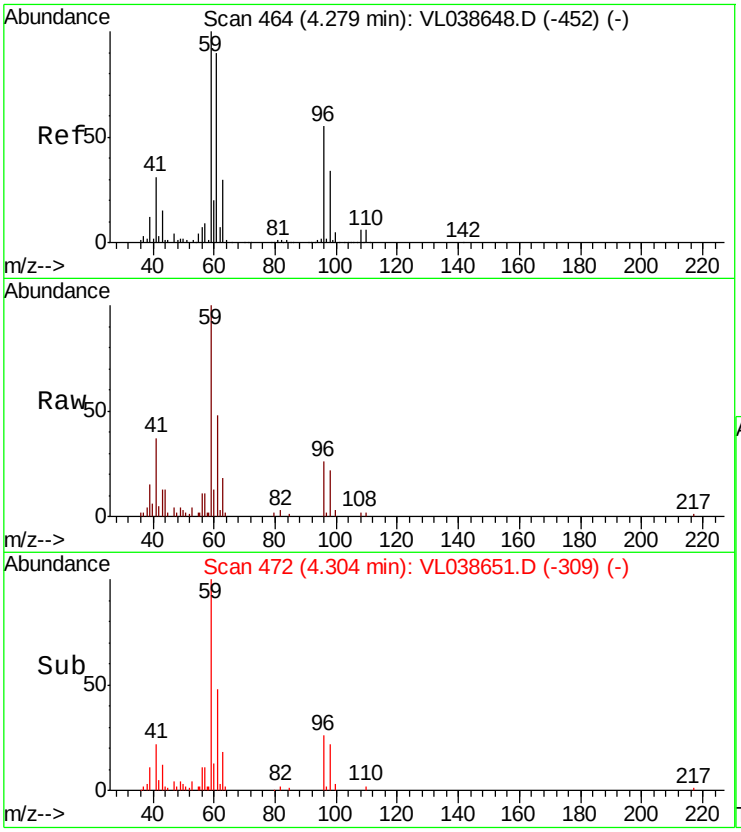


#16
1,3-Butadiene
Concen: 0.461 ppbv
RT: 3.33 min Scan# 170
Delta R.T. 0.01 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion: 39 Resp: 22227

Ion	Ratio	Lower	Upper
39	100		
54	91.3	69.1	103.7



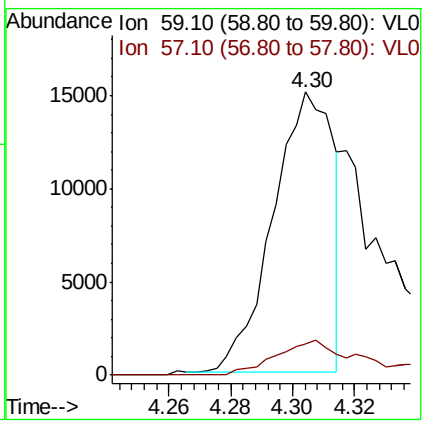


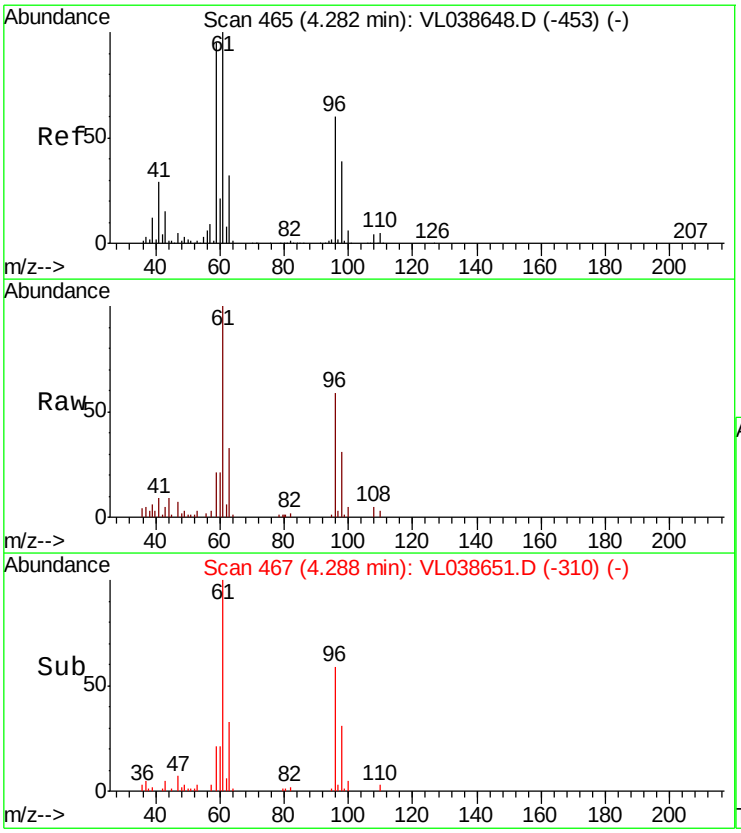
#17
tert-Butyl alcohol
Concen: 0.274 ppbv
RT: 4.30
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 59 Resp: 20366

Ion	Ratio	Lower	Upper
59	100		
57	18.5	8.2	12.2#

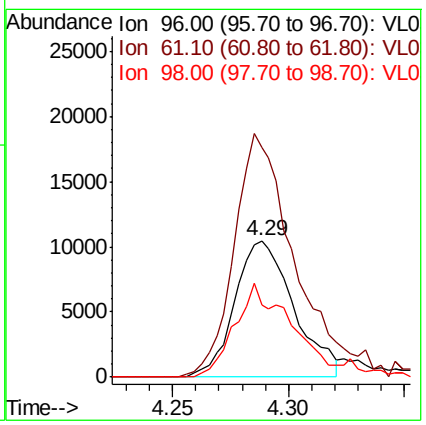


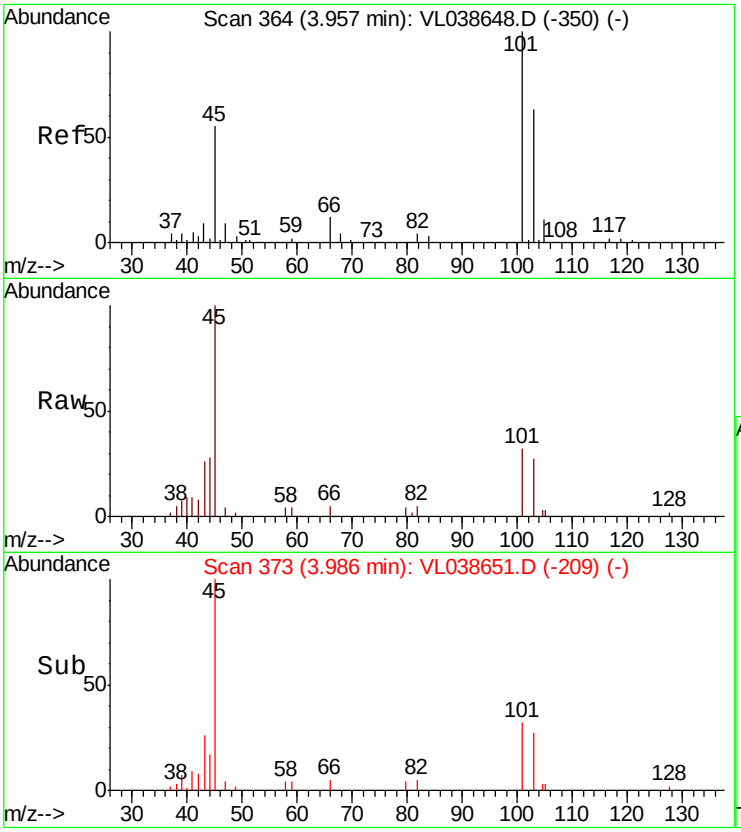


#18
1,1-Dichloroethene
Concen: 0.456 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.01 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion: 96 Resp: 18445

Ion	Ratio	Lower	Upper
96	100		
61	165.9	132.4	198.6
98	52.5	51.6	77.4



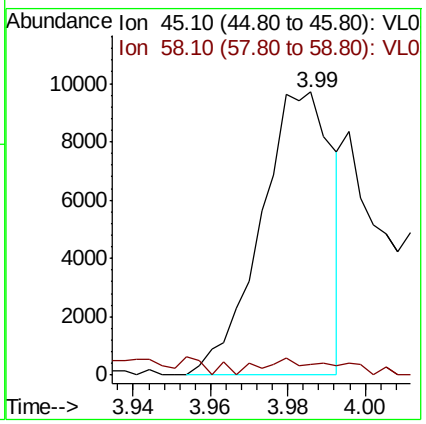


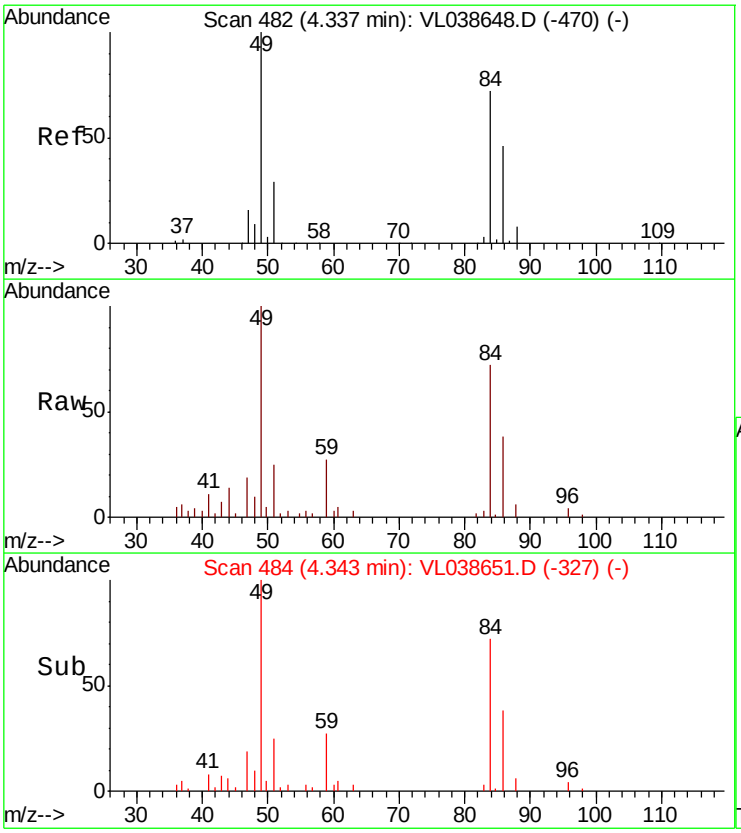
#19
Isopropyl Alcohol
Concen: 0.266 ppbv
RT: 3.99
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 12527

Ion	Ratio	Lower	Upper
45	100		
58	7.9	2.3	3.5#

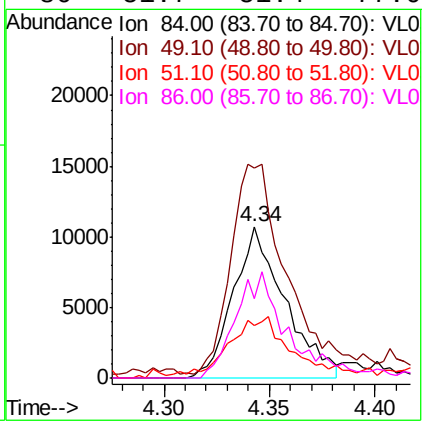


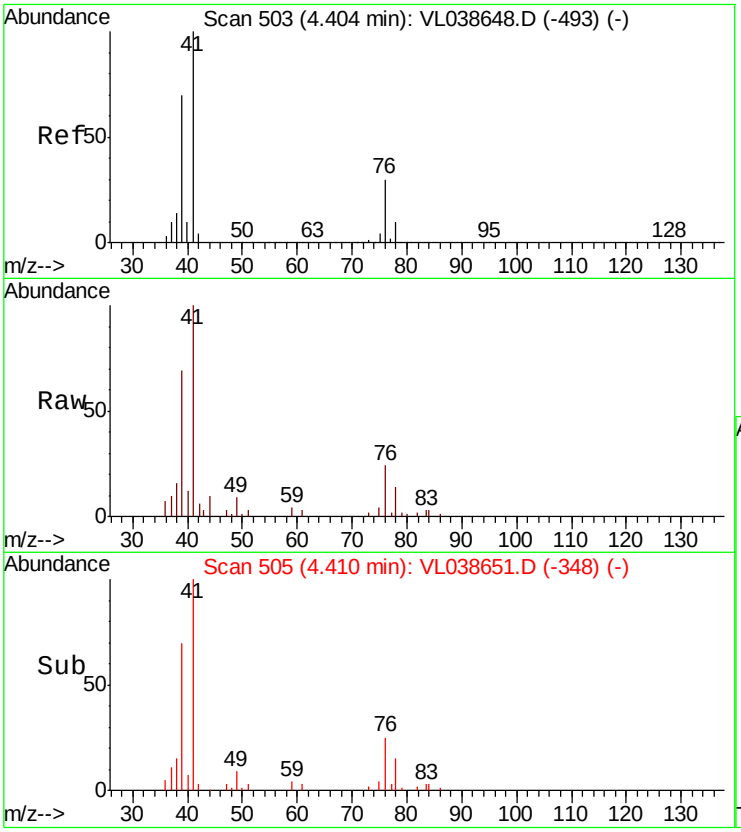


#20
Methylene Chloride
Concen: 0.507 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.01 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion: 84 Resp: 18150

Ion	Ratio	Lower	Upper
84	100		
49	140.5	111.2	166.8
51	34.6	32.8	49.2
86	51.7	51.4	77.0



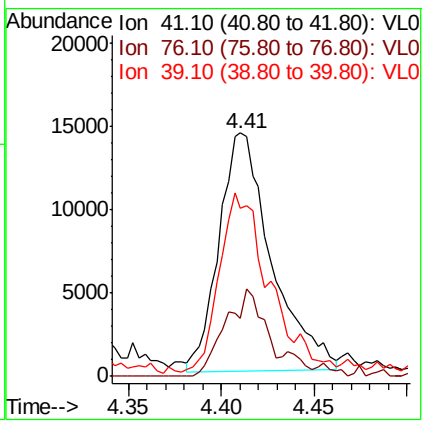


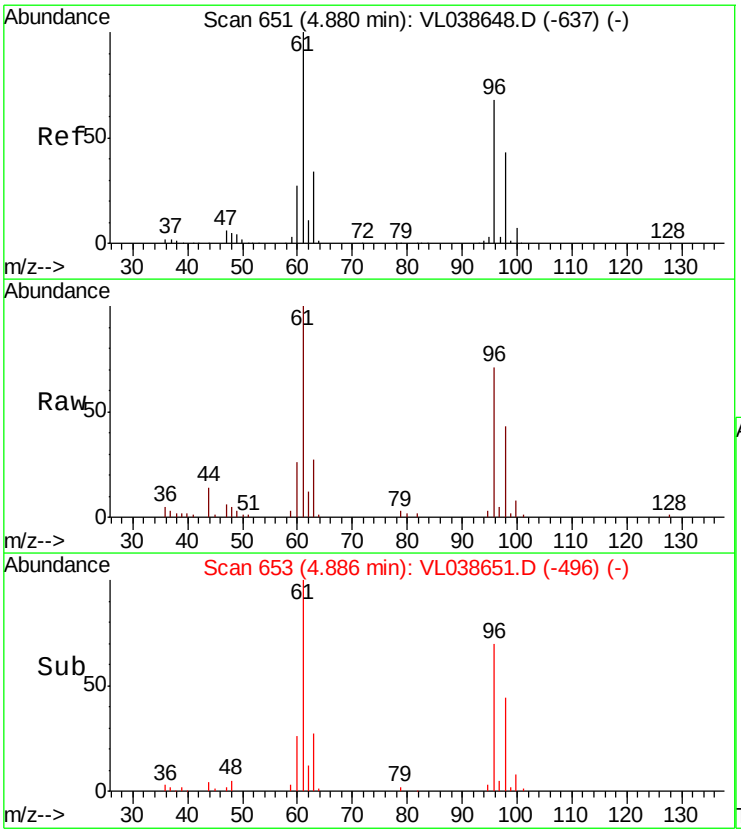
#21
Allyl Chloride
Concen: 0.463 ppbv
RT: 4.41
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 28298

Ion	Ratio	Lower	Upper
41	100		
76	33.4	25.0	37.6
39	83.8	56.6	85.0

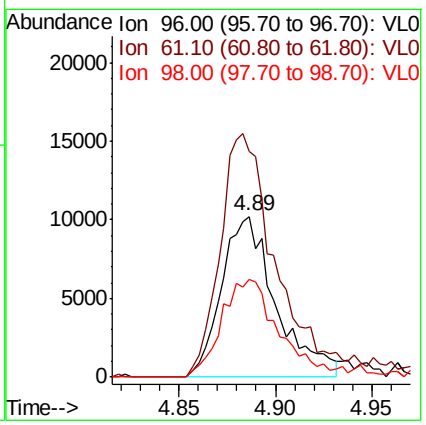


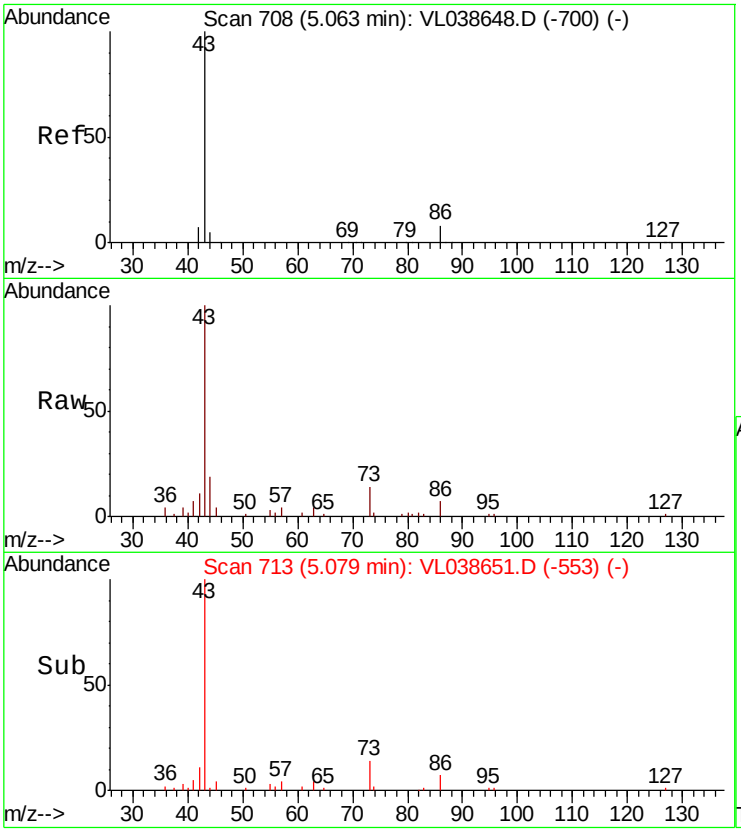


#22
trans-1,2-Dichloroethene
Concen: 0.475 ppbv
RT: 4.89 min Scan# 653
Delta R.T. 0.01 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion: 96 Resp: 19926

Ion	Ratio	Lower	Upper
96	100		
61	140.3	118.3	177.5
98	60.7	51.3	76.9



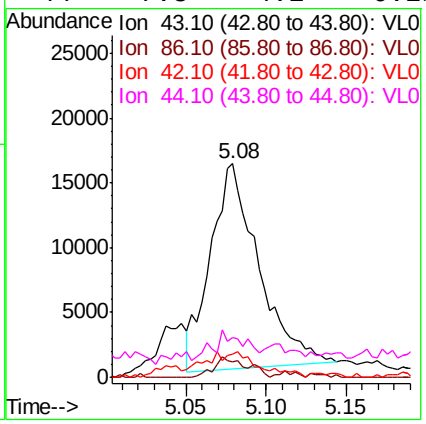


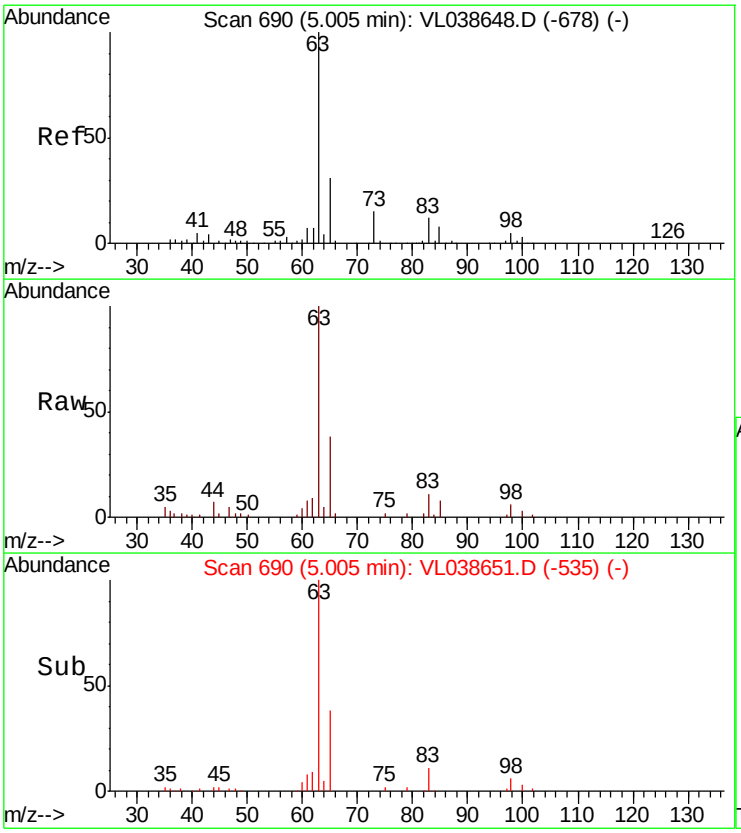
#23
Vinvl Acetate
Concen: 0.401 ppbv
RT: 5.08
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 33003

Ion	Ratio	Lower	Upper
43	100		
86	7.8	5.6	8.4
42	9.4	6.8	10.2
44	7.8	4.2	6.2#

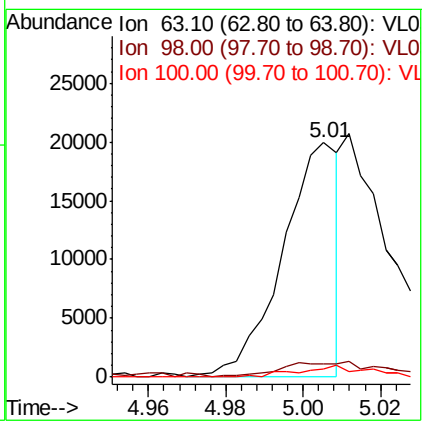


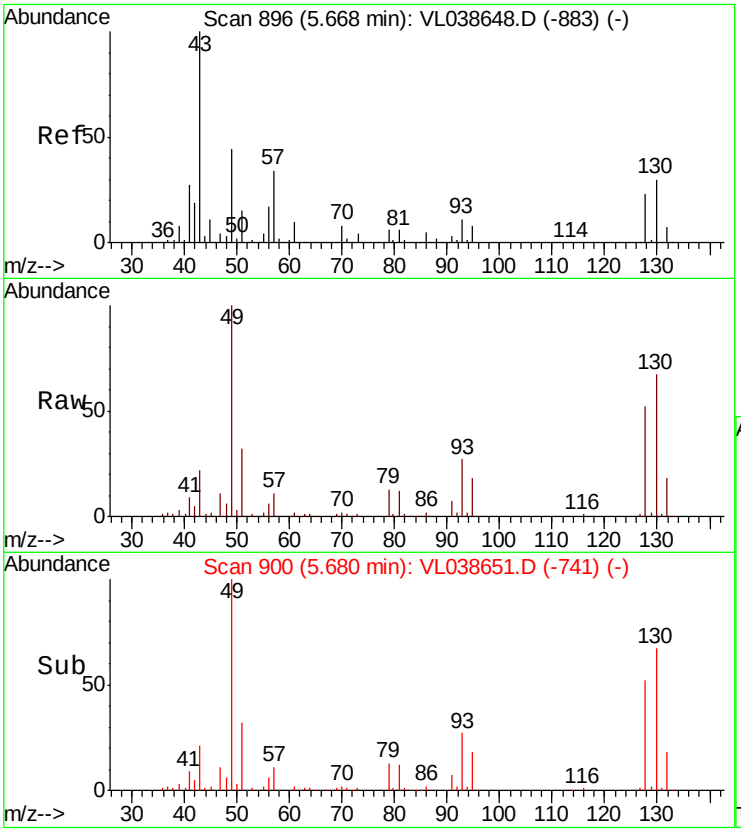


#24
1,1-Dichloroethane
Concen: 0.248 ppbv
RT: 5.01 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion: 63 Resp: 20078

Ion	Ratio	Lower	Upper
63	100		
98	3.5	2.5	7.5
100	3.4	1.4	4.2



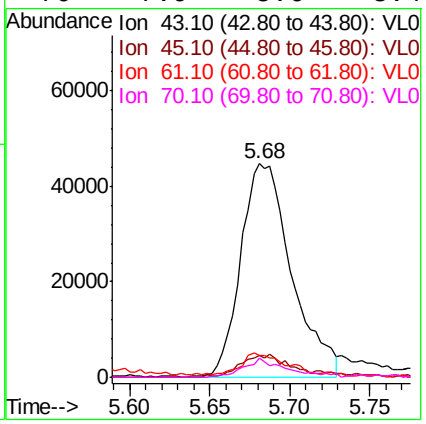


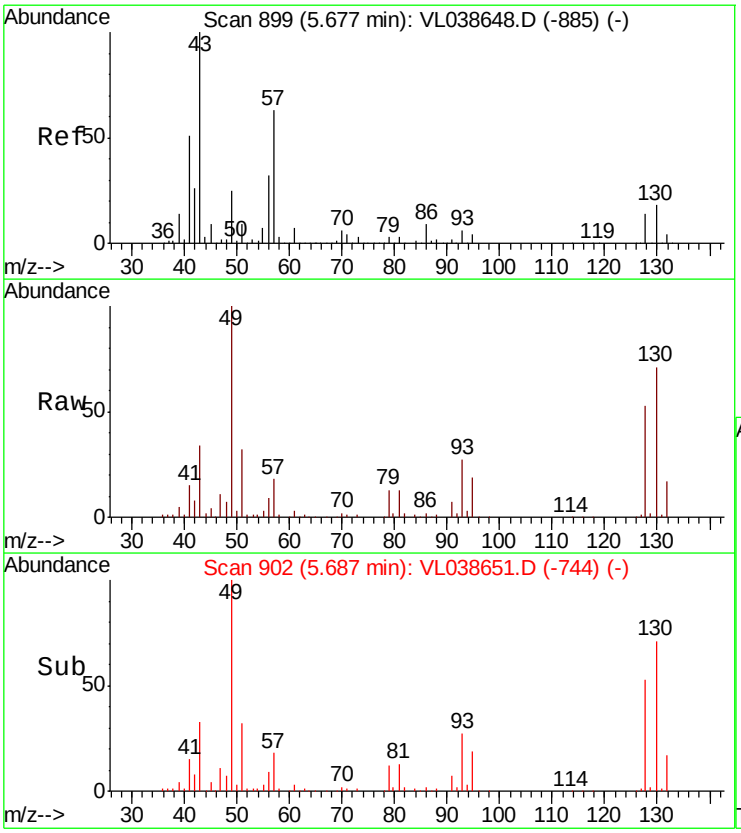
#25
Ethyl Acetate
Concen: 0.456 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 97571

Ion	Ratio	Lower	Upper
43	100		
45	12.1	8.2	12.4
61	12.8	8.3	12.5#
70	7.9	5.6	8.4

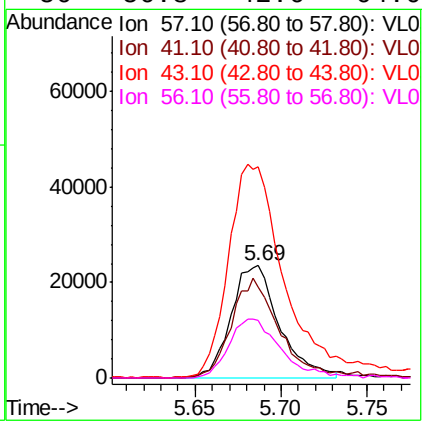


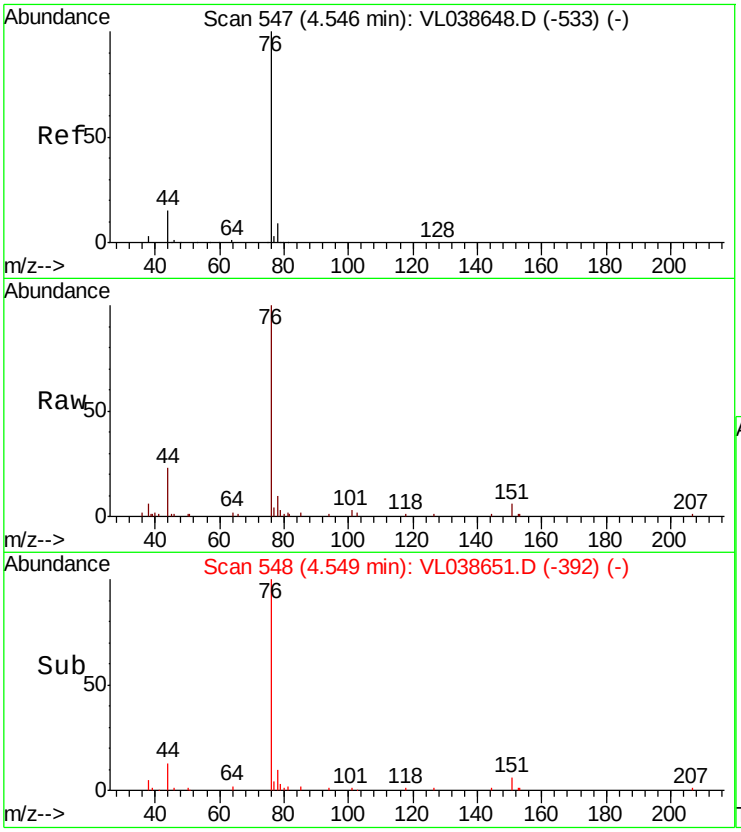


#26
Hexane
Concen: 0.480 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion: 57 Resp: 45998

Ion	Ratio	Lower	Upper
57	100		
41	92.0	67.0	100.4
43	237.3	184.2	276.2
56	56.8	42.6	64.0



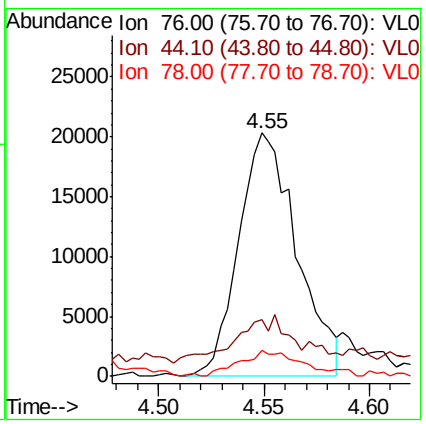


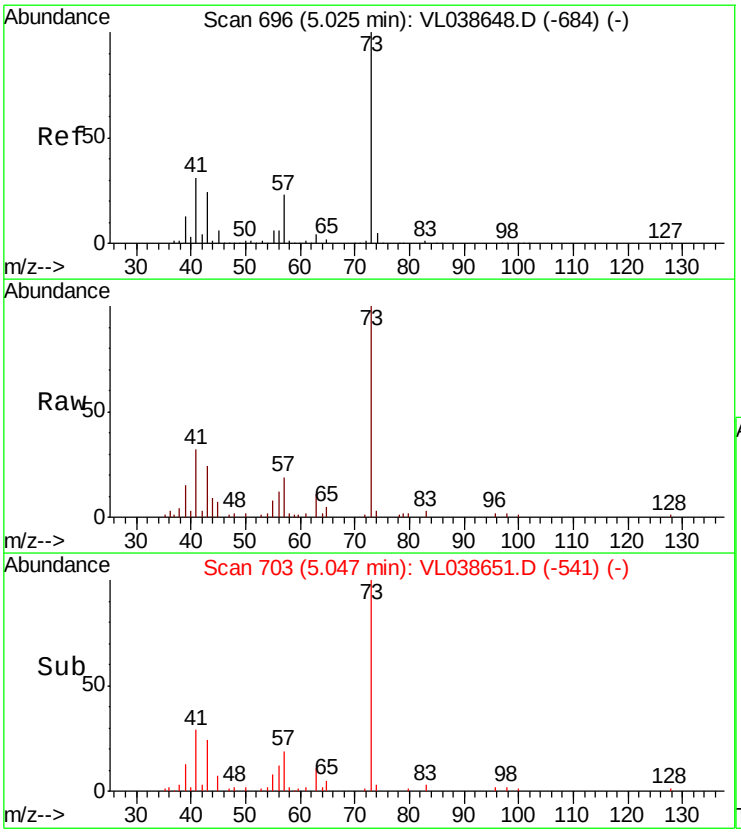
#27
Carbon Disulfide
Concen: 0.416 ppbv
RT: 4.55
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 76 Resp: 39049

Ion	Ratio	Lower	Upper
76	100		
44	20.0	12.4	18.6#
78	12.1	7.8	11.8#

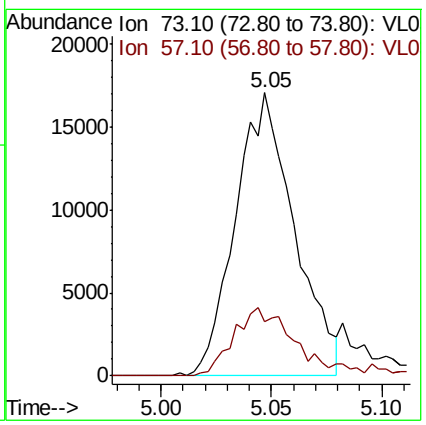


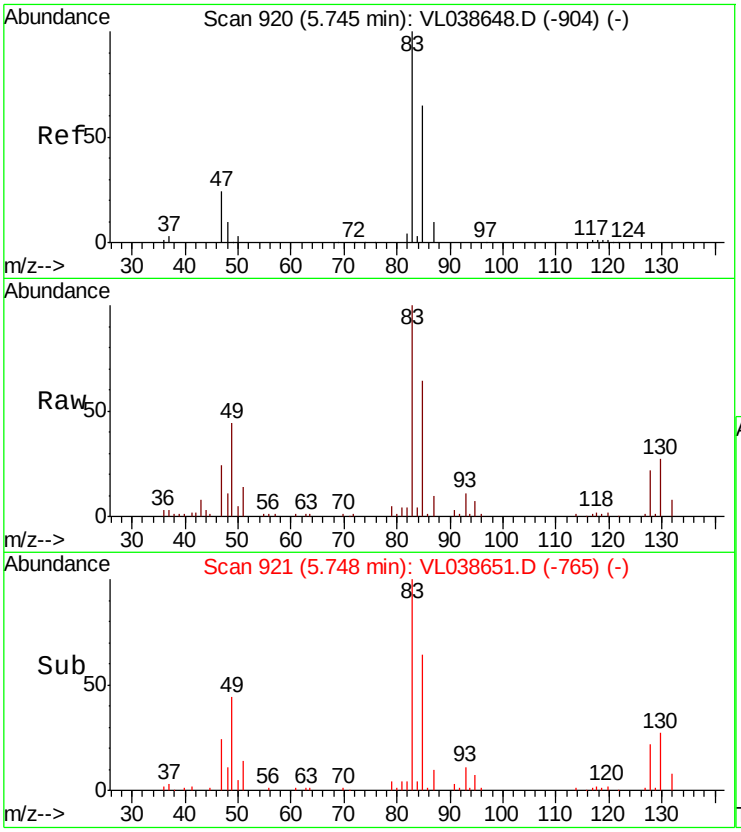


#28
Methyl tert-Butyl Ether
Concen: 0.442 ppbv
RT: 5.05 min Scan# 703
Delta R.T. 0.02 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion: 73 Resp: 31546

Ion	Ratio	Lower	Upper
73	100		
57	26.9	19.2	28.8



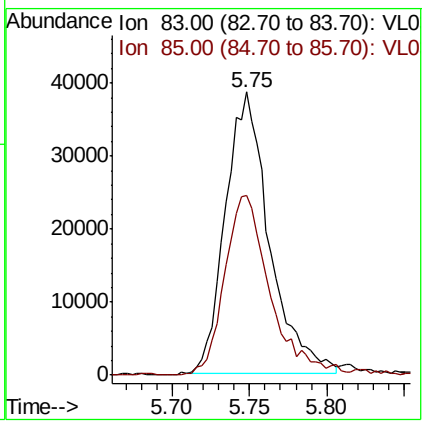


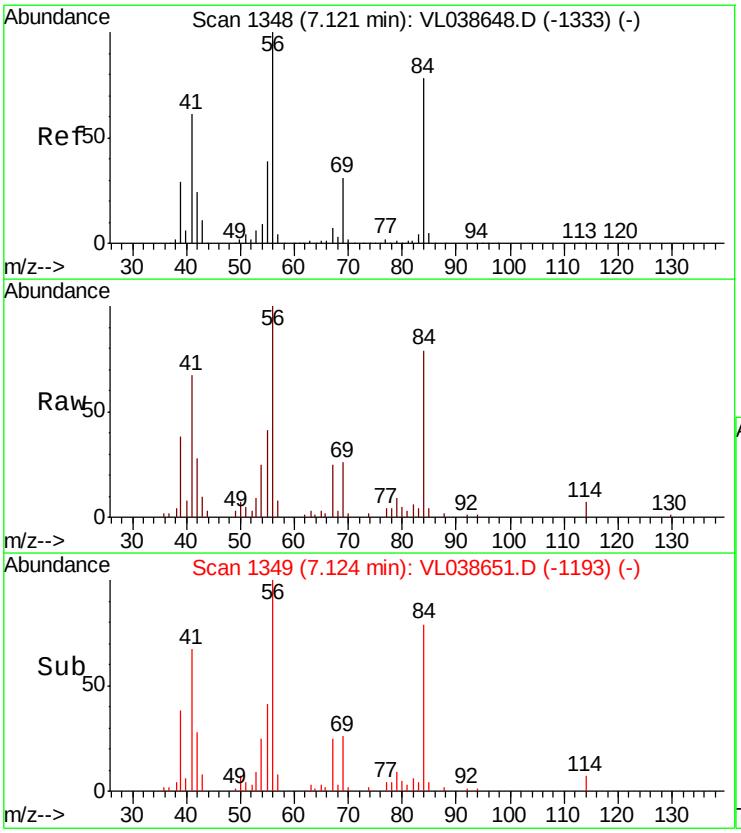
#29
Chloroform
Concen: 0.496 ppbv
RT: 5.75
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 76112

Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.7	77.5

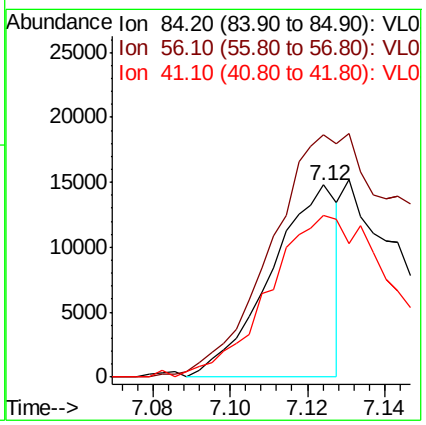


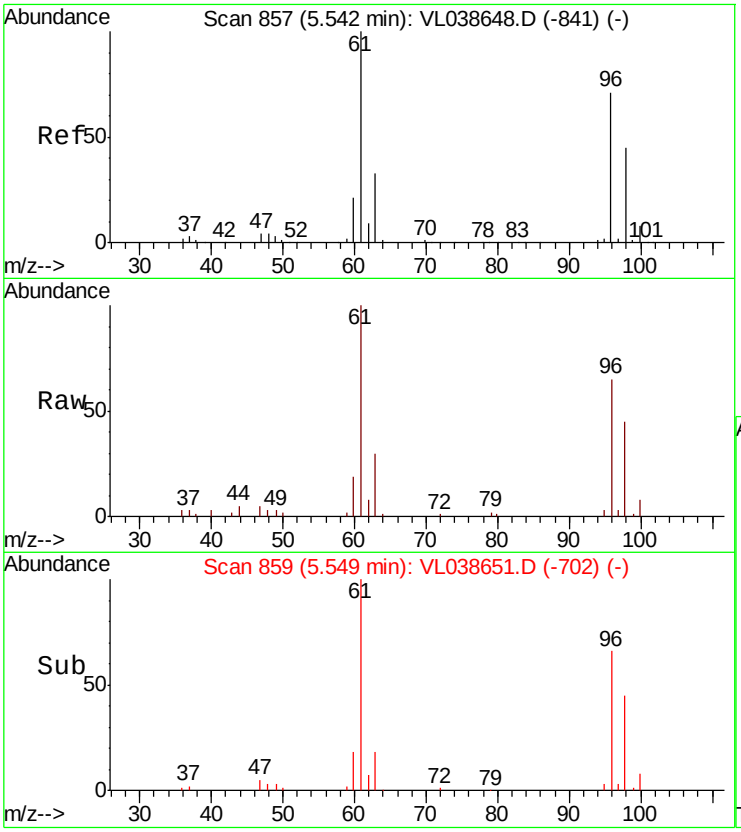


#30
Cyclohexane
Concen: 0.213 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. 0.00 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion: 84 Resp: 17737

Ion	Ratio	Lower	Upper
84	100		
56	0.0	108.2	162.4#
41	167.6	61.8	92.6#



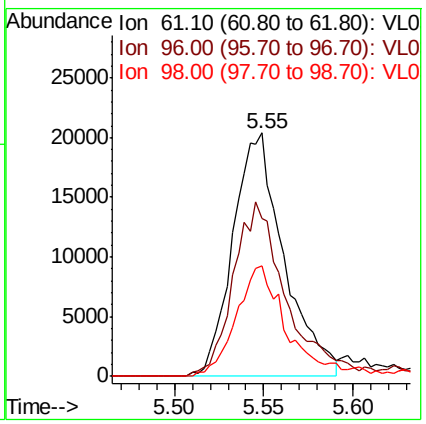


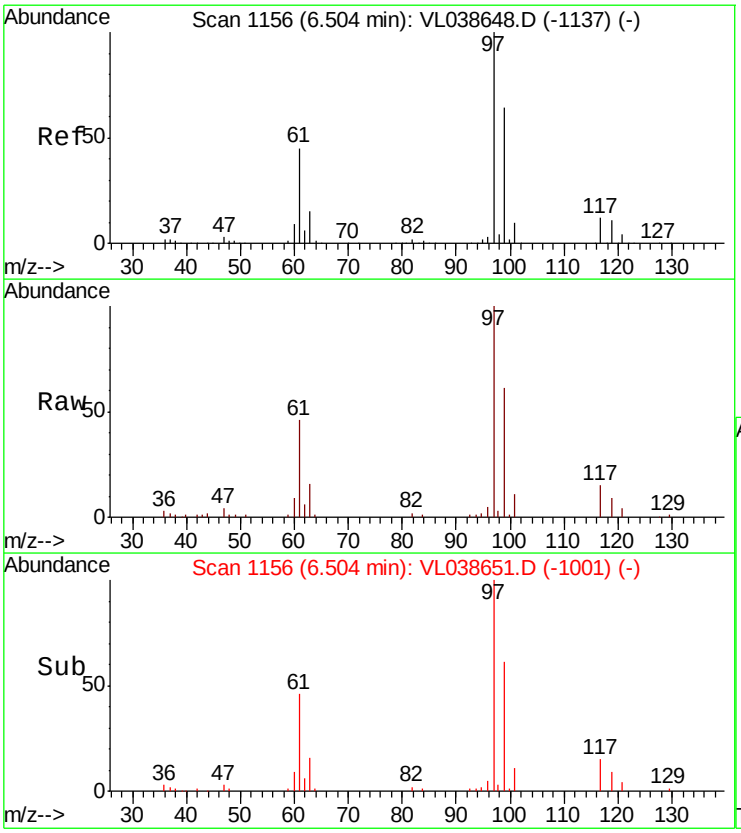
#31
cis-1,2-Dichloroethene
Concen: 0.451 ppbv
RT: 5.55
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 61 Resp: 40592

Ion	Ratio	Lower	Upper
61	100		
96	65.0	56.6	84.8
98	45.4	36.3	54.5

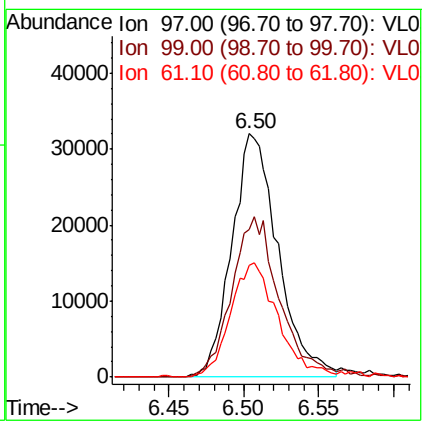


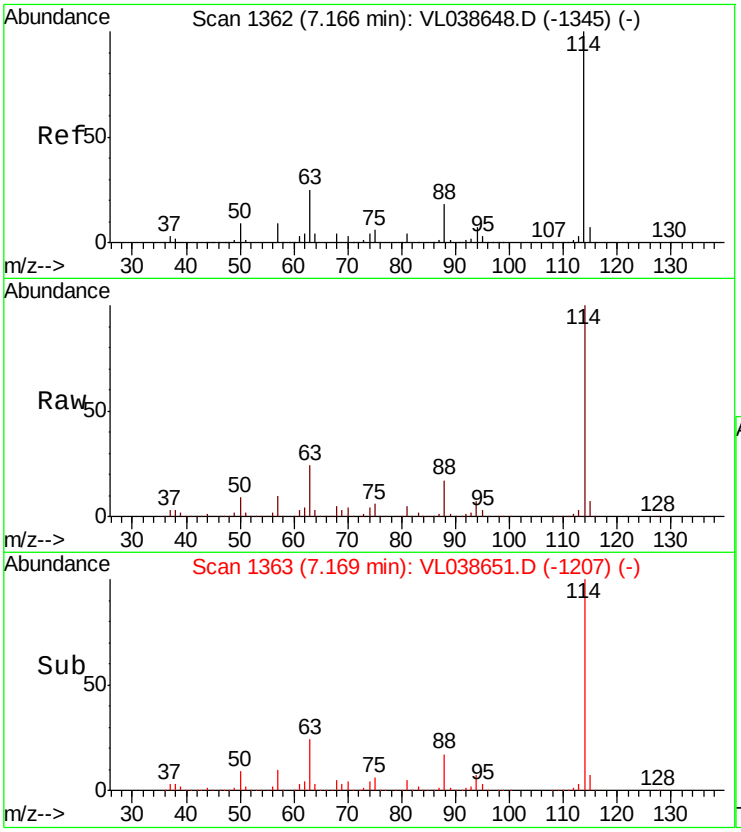


#32
1,1,1-Trichloroethane
Concen: 0.465 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion: 97 Resp: 68839

Ion	Ratio	Lower	Upper
97	100		
99	68.8	51.8	77.8
61	49.4	36.7	55.1



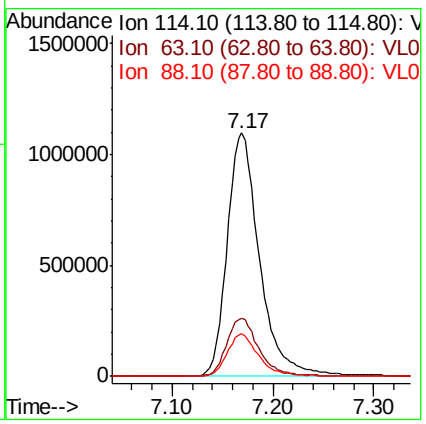


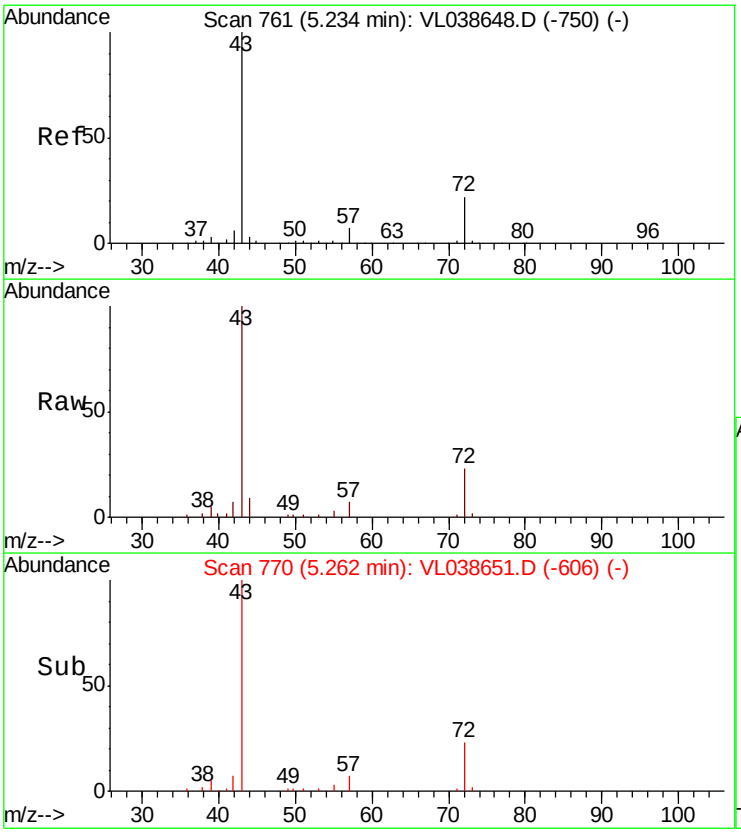
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:114 Resp: 2447127

Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.4	29.0
88	17.3	13.9	20.9

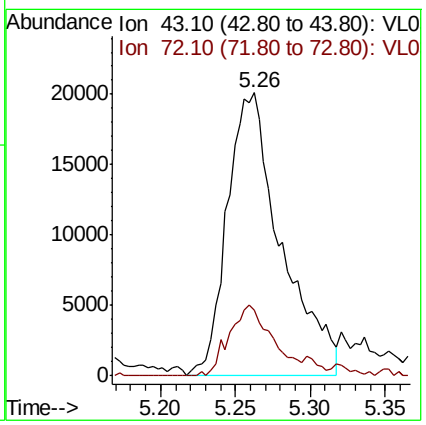


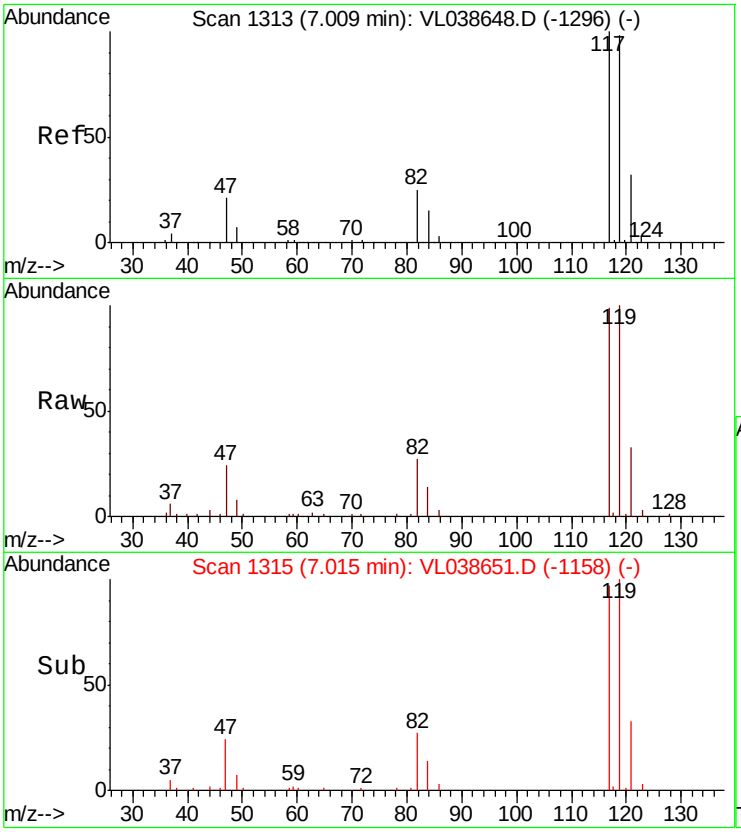


#34
2-Butanone
Concen: 0.522 ppbv
RT: 5.26 min Scan# 770
Delta R.T. 0.03 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion: 43 Resp: 50539

Ion	Ratio	Lower	Upper
43	100		
72	23.3	17.8	26.8



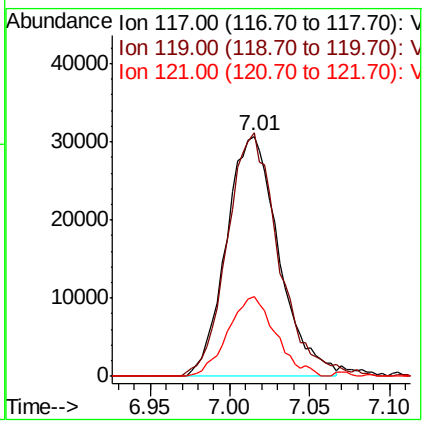


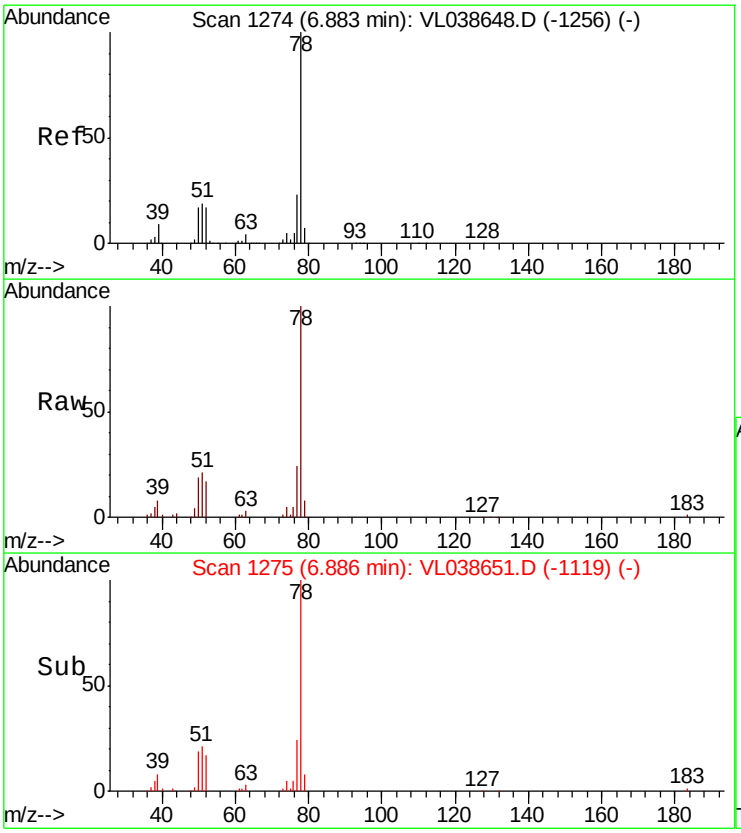
#35
Carbon Tetrachloride
Concen: 0.487 ppbv
RT: 7.01
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 69094

Ion	Ratio	Lower	Upper
117	100		
119	98.3	78.1	117.1
121	32.8	25.8	38.6

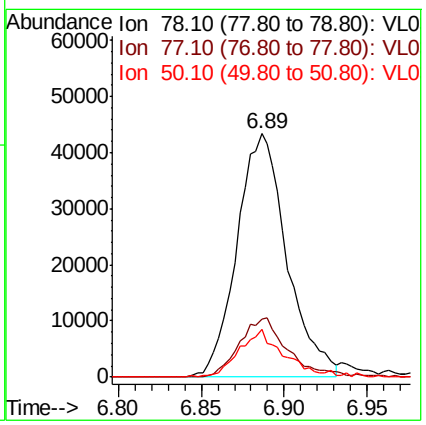


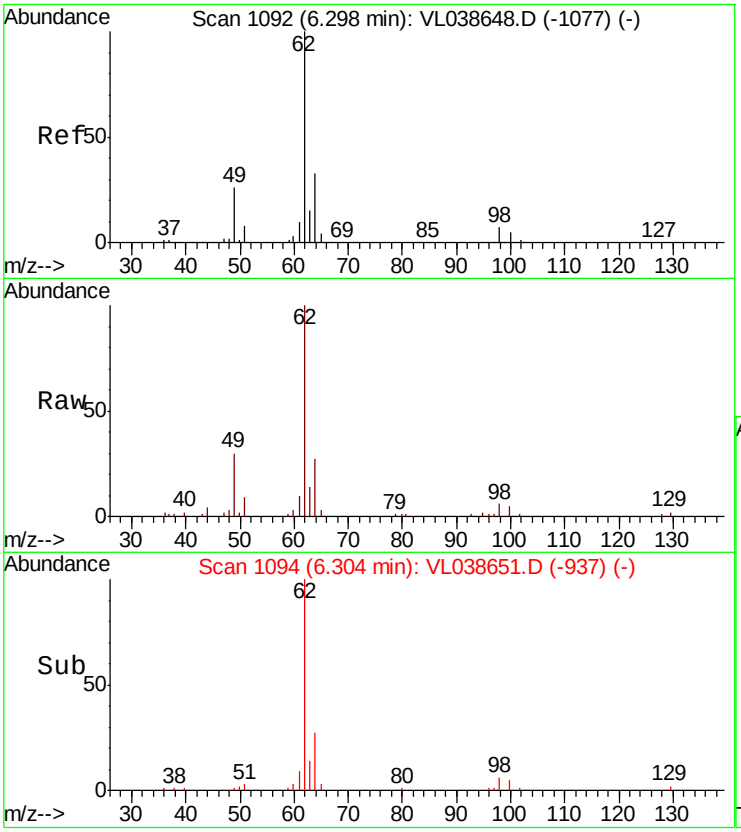


#36
Benzene
Concen: 0.480 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion: 78 Resp: 90736

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.1	27.1
50	19.6	13.6	20.4



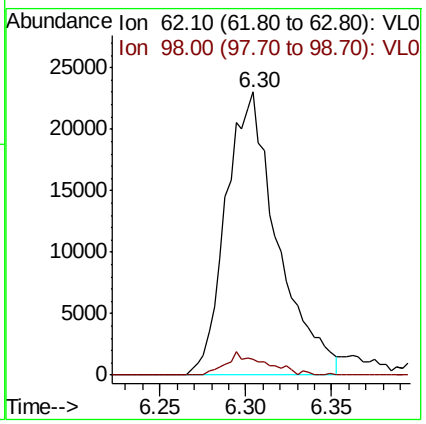


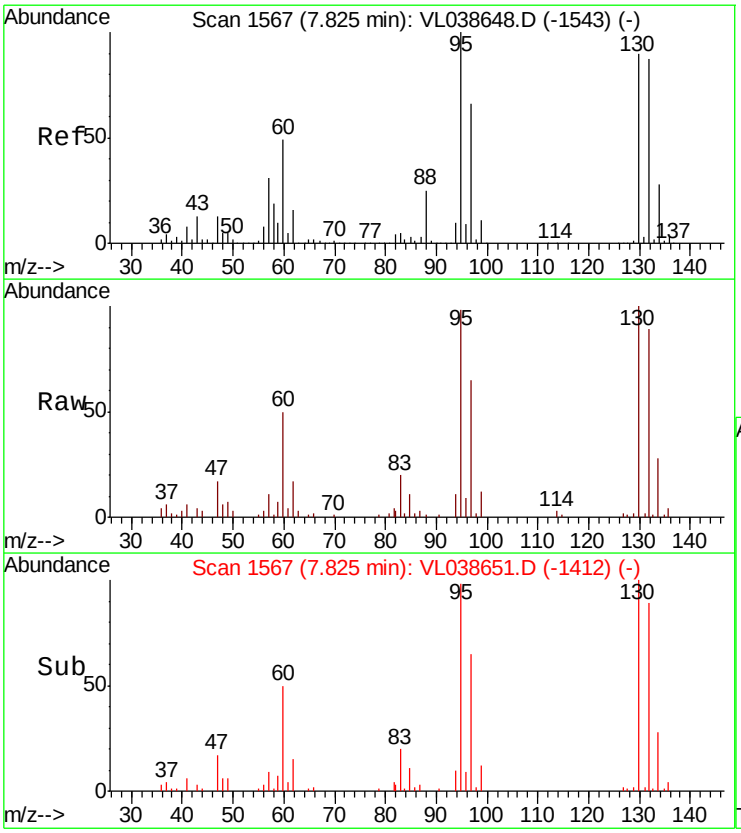
#37
1,2-Dichloroethane
Concen: 0.500 ppbv
RT: 6.30
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 48006

Ion	Ratio	Lower	Upper
62	100		
98	6.1	5.6	8.4

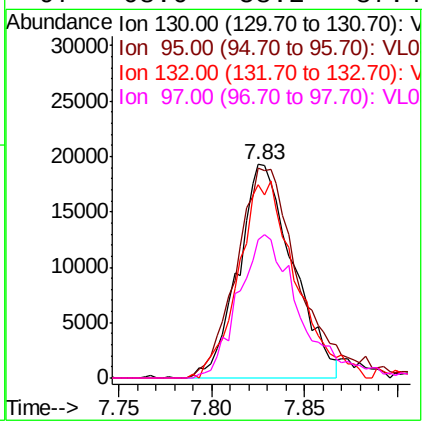


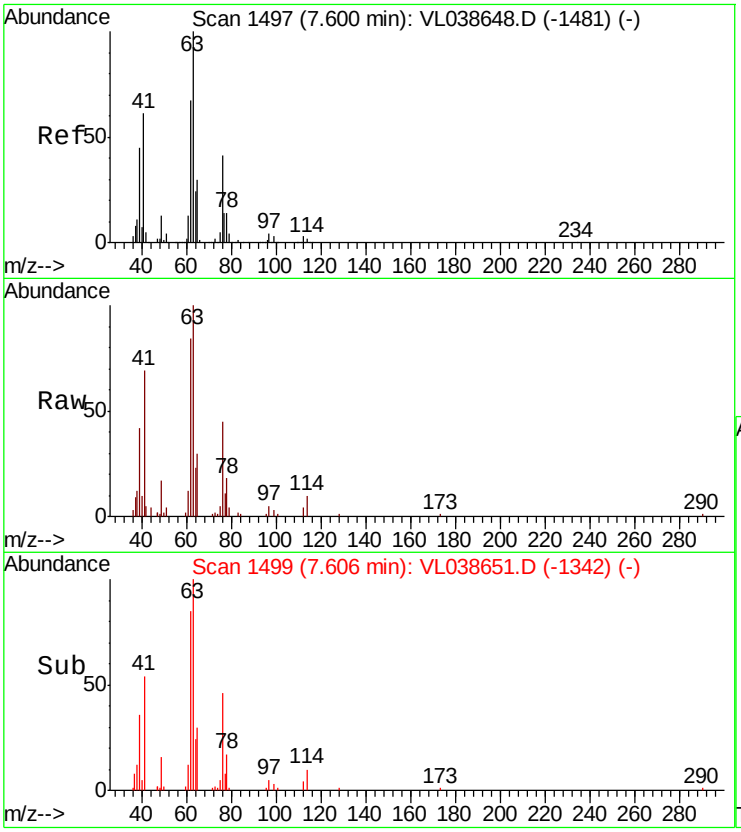


#38
Trichloroethene
Concen: 0.498 ppbv
RT: 7.83 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion:130 Resp: 39426

Ion	Ratio	Lower	Upper
130	100		
95	102.6	88.9	133.3
132	95.0	77.4	116.0
97	68.0	58.2	87.4



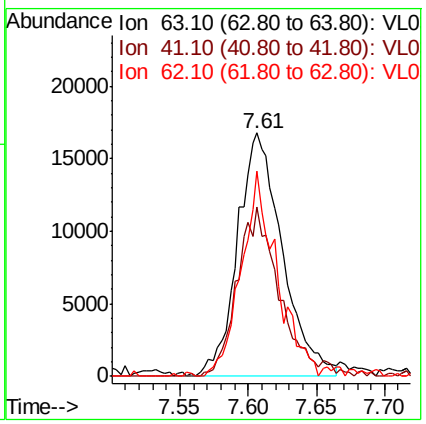


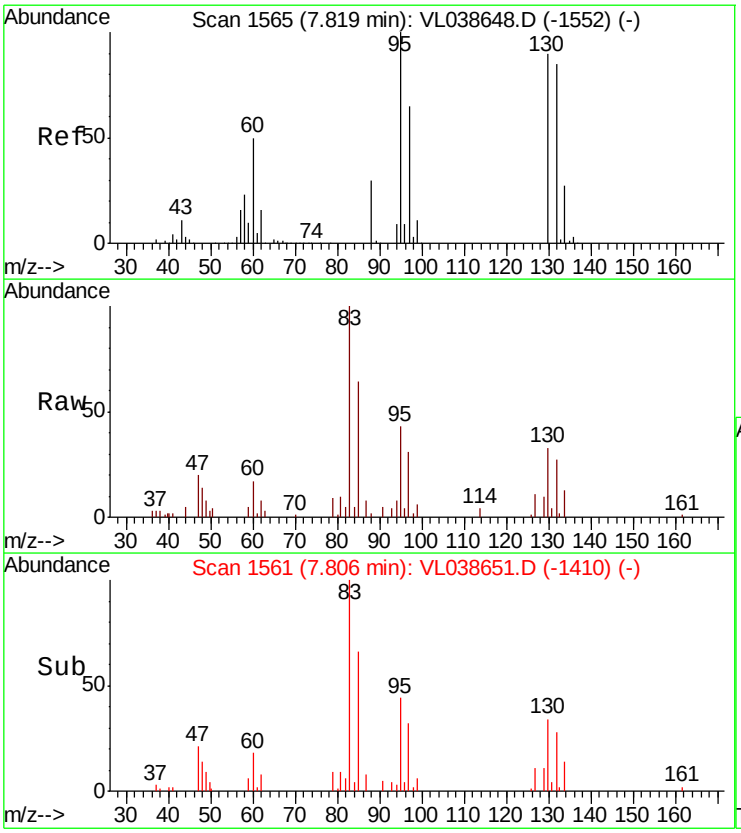
#39
1,2-Dichloropropane
Concen: 0.520 ppbv
RT: 7.61
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 63 Resp: 38394

Ion	Ratio	Lower	Upper
63	100		
41	56.8	49.0	73.6
62	67.3	53.9	80.9

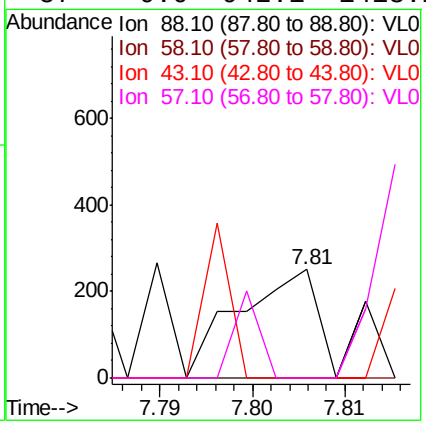


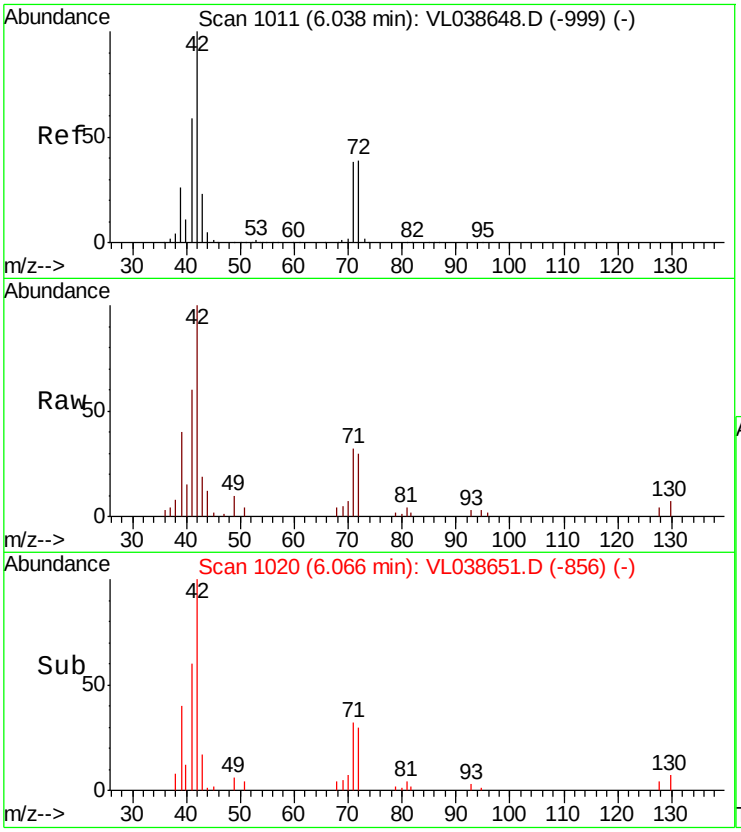


#40
1,4-Dioxane
Concen: 0.006 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion: 88 Resp: 147

Ion	Ratio	Lower	Upper
88	100		
58	0.0	105.6	158.4#
43	0.0	201.9	302.9#
57	0.0	942.1	1413.1#



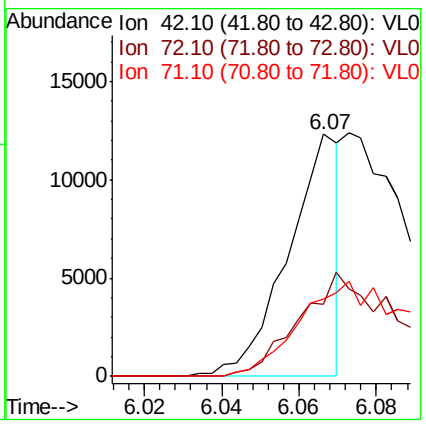


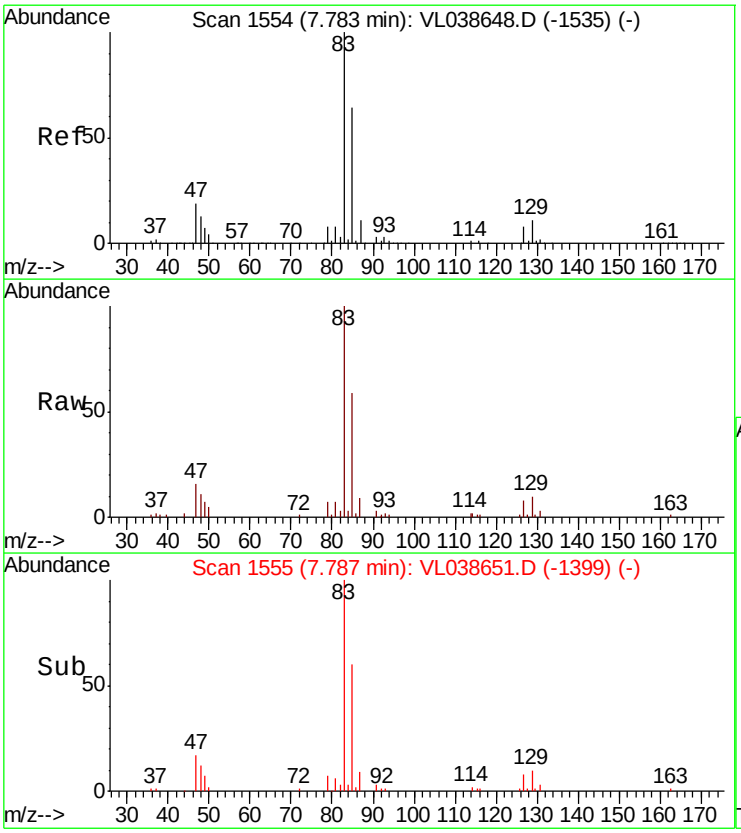
#41
Tetrahydrofuran
Concen: 0.156 ppbv
RT: 6.07
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 42 Resp: 11277

Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.5	48.7#
71	0.0	31.4	47.2#

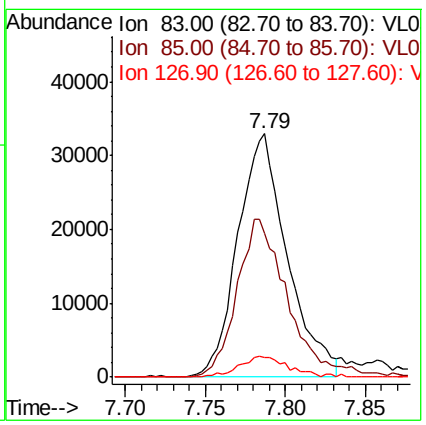


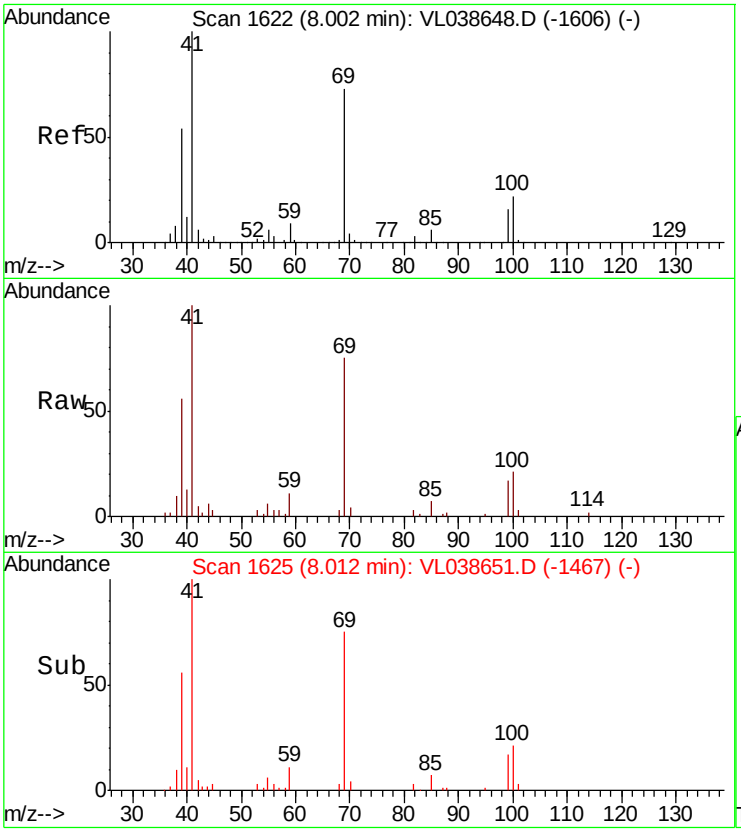


#42
Bromodichloromethane
Concen: 0.486 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. 0.00 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion: 83 Resp: 70008

Ion	Ratio	Lower	Upper
83	100		
85	58.9	51.1	76.7
127	7.9	6.5	9.7



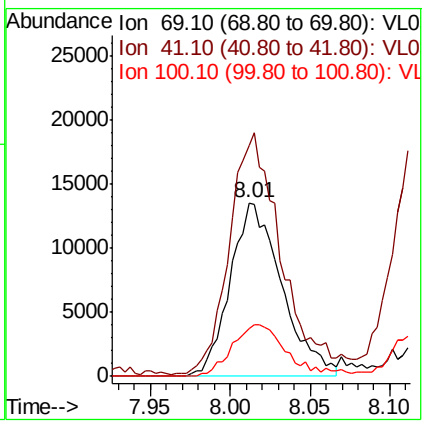


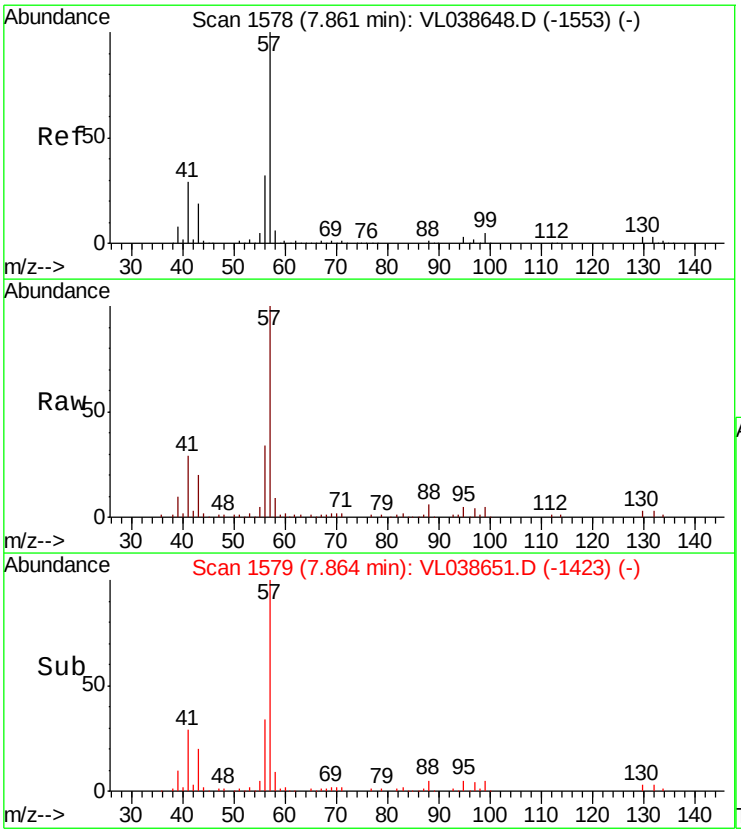
#43
Methyl Methacrylate
Concen: 0.427 ppbv
RT: 8.01
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 69 Resp: 29931

Ion	Ratio	Lower	Upper
69	100		
41	144.3	110.3	165.5
100	31.7	24.8	37.2

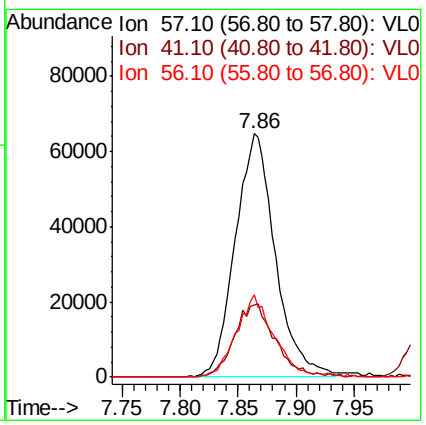


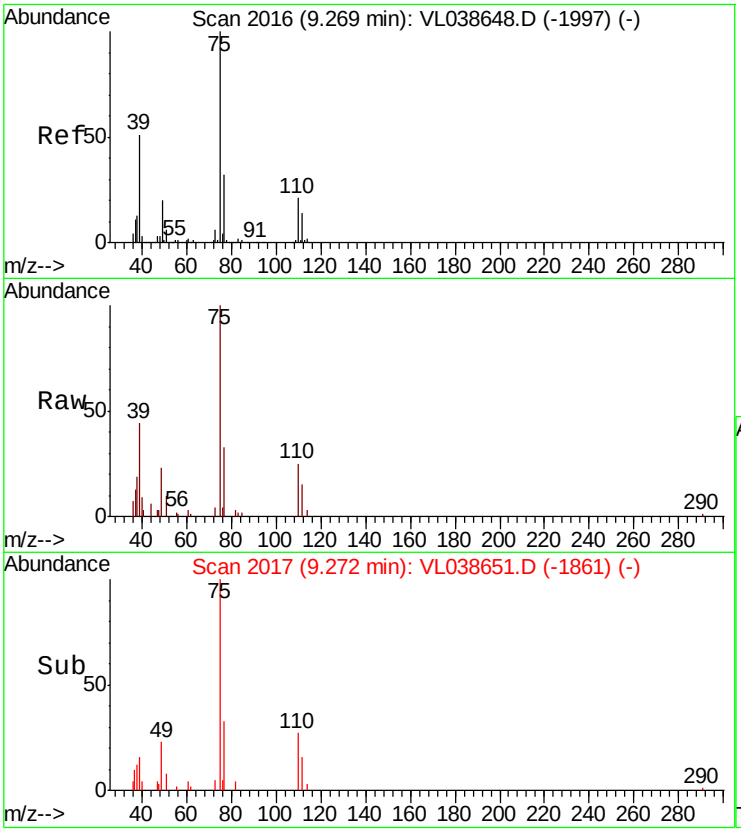


#44
2,2,4-Trimethylpentane
Concen: 0.490 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion: 57 Resp: 155233

Ion	Ratio	Lower	Upper
57	100		
41	31.1	23.0	34.4
56	32.2	25.3	37.9



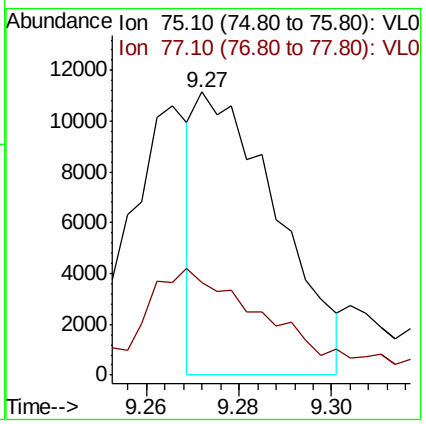


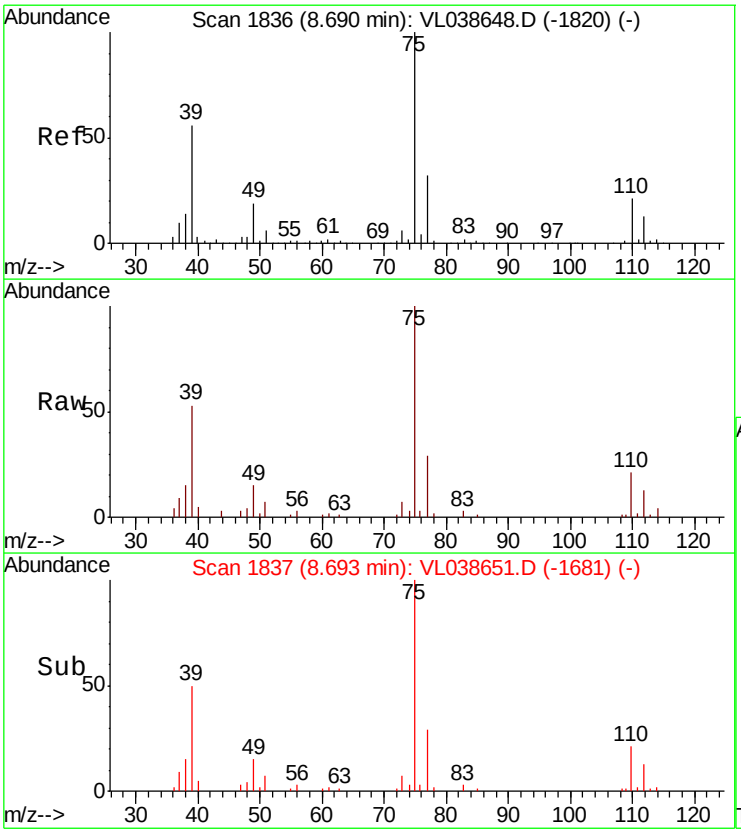
#45
t-1,3-Dichloropropene
Concen: 0.190 ppbv
RT: 9.27
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 75 Resp: 13528

Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.5	38.3

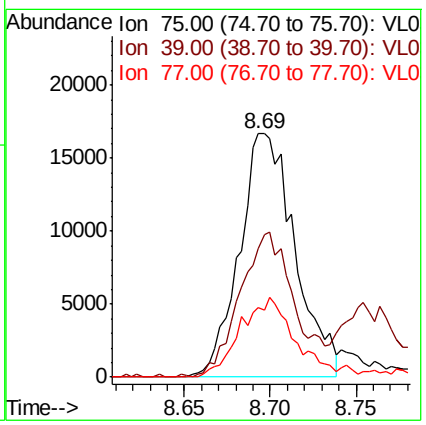


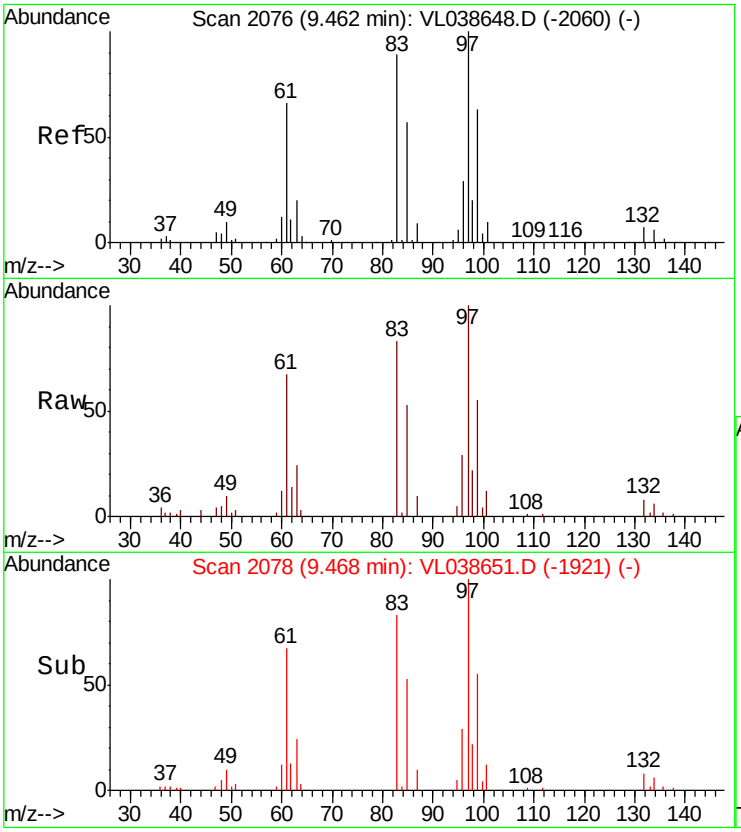


#46
cis-1,3-Dichloropropene
Concen: 0.389 ppbv
RT: 8.69 min Scan# 1837
Delta R.T. 0.00 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion: 75 Resp: 37488

Ion	Ratio	Lower	Upper
75	100		
39	51.6	44.8	67.2
77	28.6	25.4	38.0



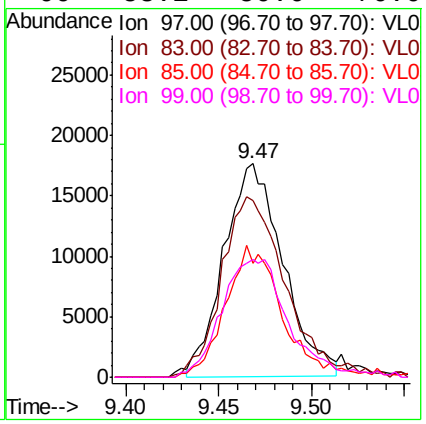


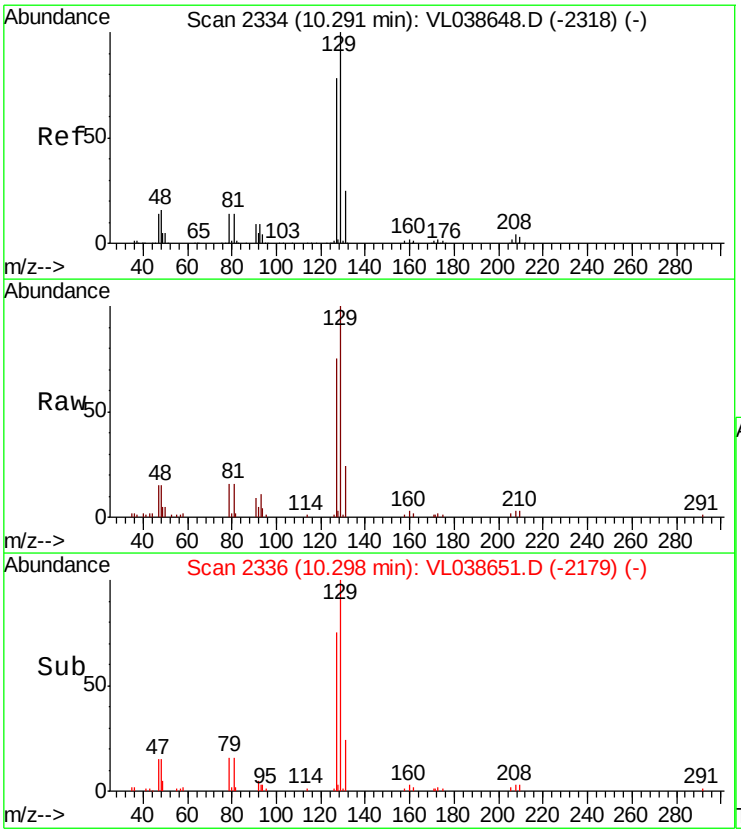
#47
1,1,2-Trichloroethane
Concen: 0.493 ppbv
RT: 9.47
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 97 Resp: 38861

Ion	Ratio	Lower	Upper
97	100		
83	79.9	71.2	106.8
85	53.5	45.3	67.9
99	58.1	50.6	76.0

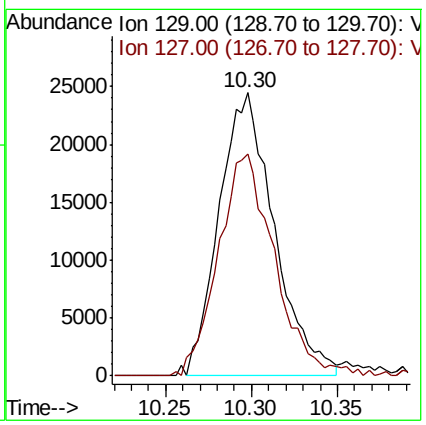


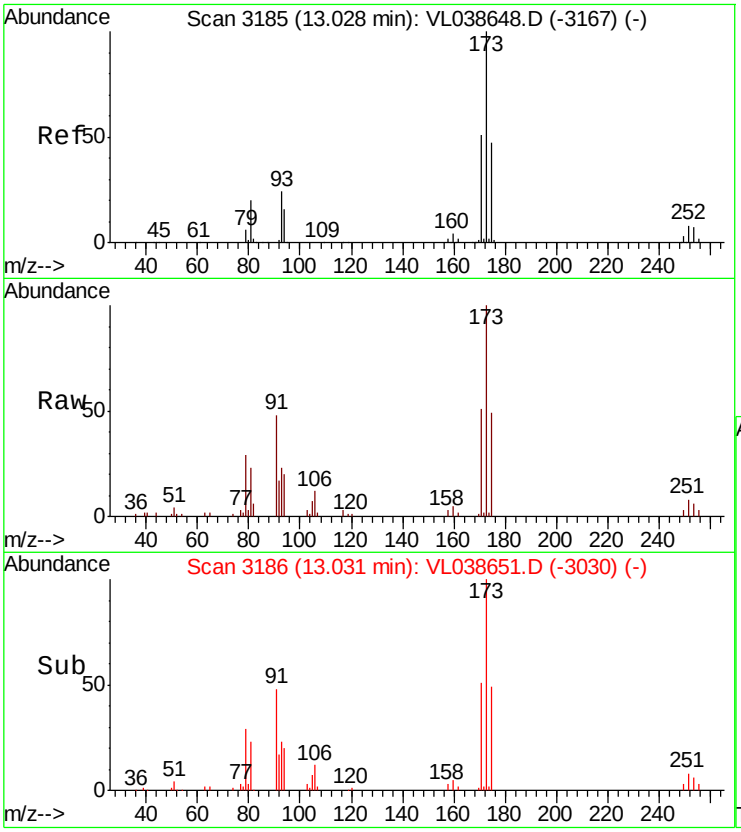


#48
Dibromochloromethane
Concen: 0.442 ppbv
RT: 10.30 min Scan# 2336
Delta R.T. 0.01 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion:129 Resp: 54585

Ion	Ratio	Lower	Upper
129	100		
127	80.9	39.5	118.5



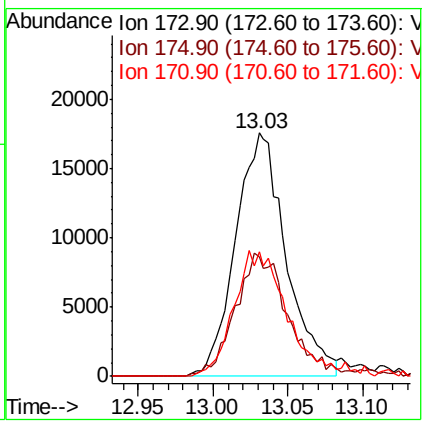


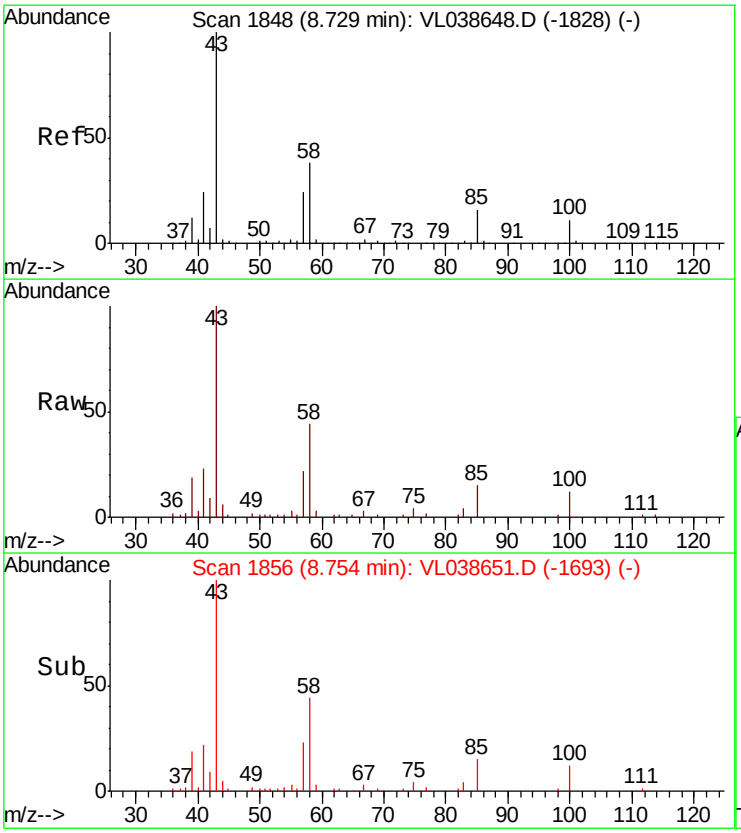
#49
Bromoform
Concen: 0.411 ppbv
RT: 13.03
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:173 Resp: 41362

Ion	Ratio	Lower	Upper
173	100		
175	53.8	41.0	61.6
171	53.8	43.1	64.7

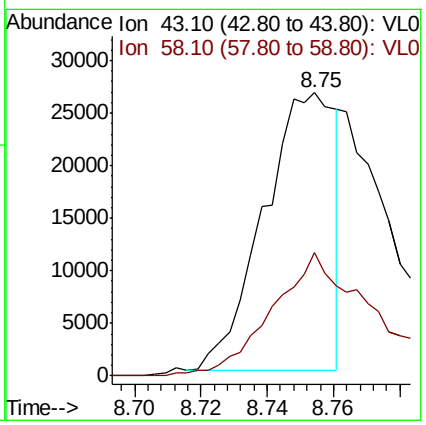


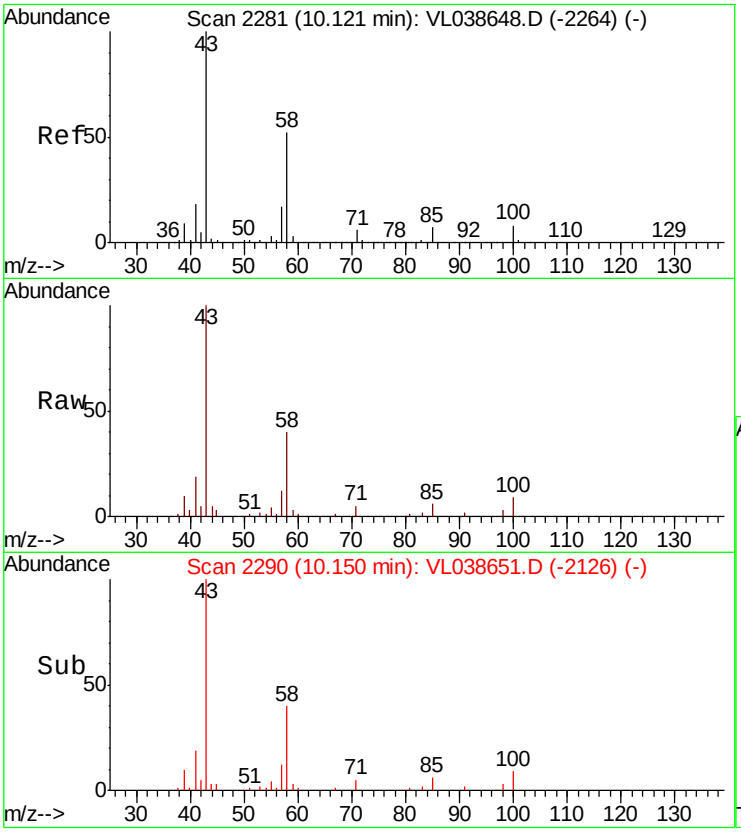


#50
4-Methyl-2-Pentanone
Concen: 0.220 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. 0.03 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion: 43 Resp: 39589

Ion	Ratio	Lower	Upper
43	100		
58	73.4	29.9	44.9#



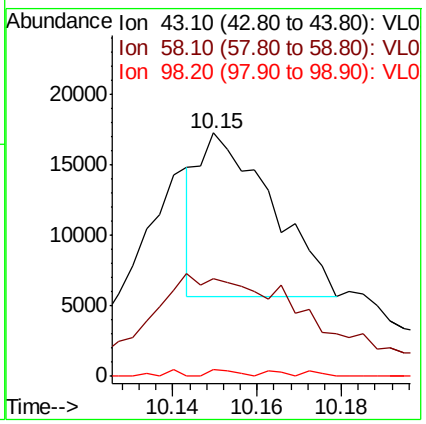


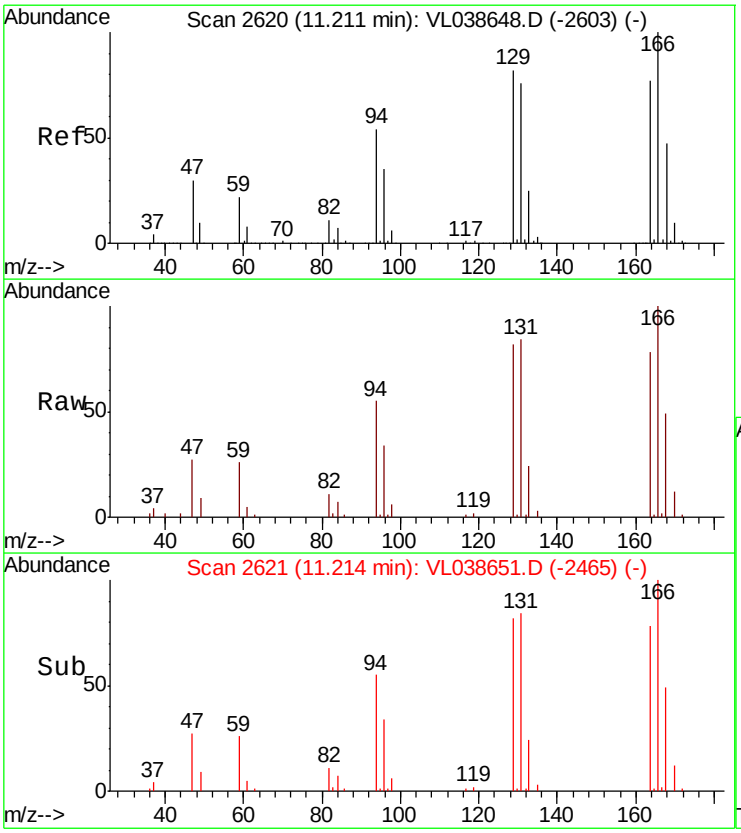
#51
2-Hexanone
Concen: 0.107 ppbv
RT: 10.15
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 13868

Ion	Ratio	Lower	Upper
43	100		
58	171.6	41.2	61.8#
98	3.9	0.2	0.4#

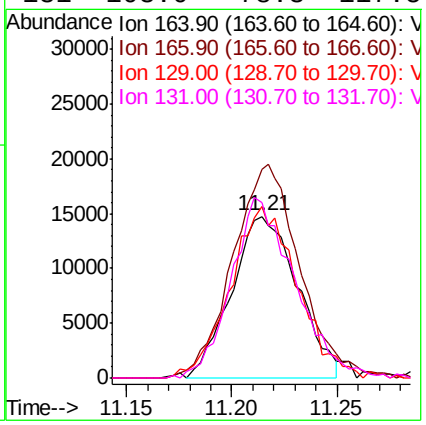


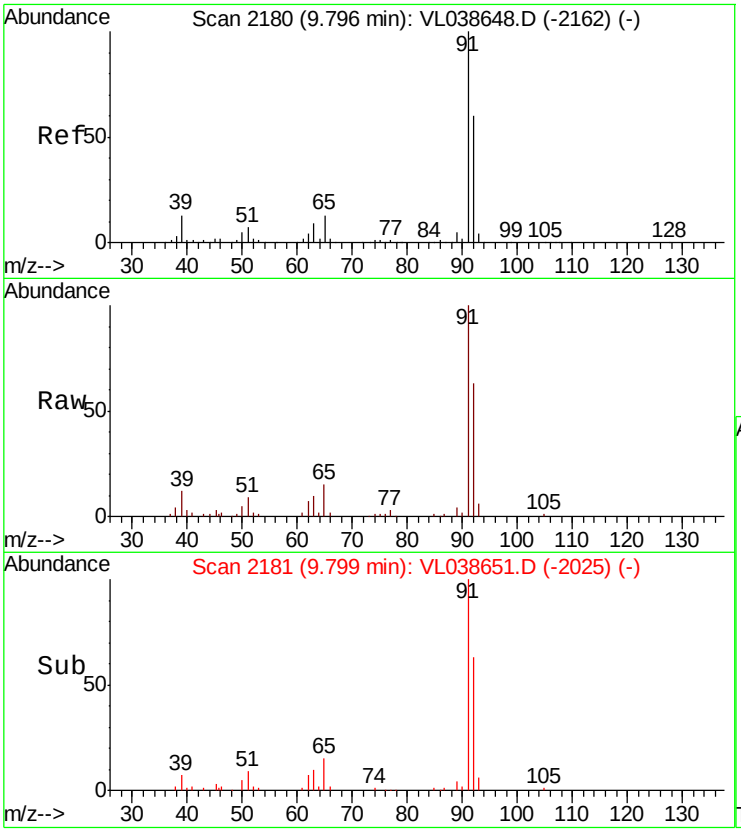


#52
Tetrachloroethene
Concen: 0.464 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. 0.00 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion:164 Resp: 32065

Ion	Ratio	Lower	Upper
164	100		
166	121.8	103.3	154.9
129	99.3	85.2	127.8
131	103.0	78.3	117.5



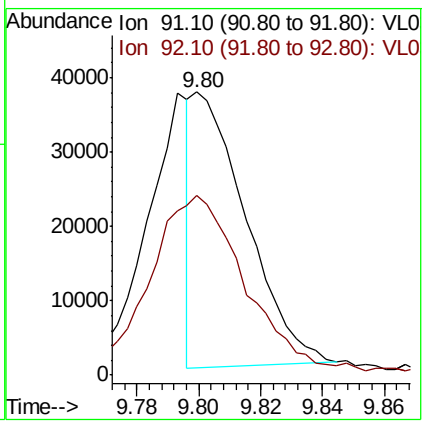


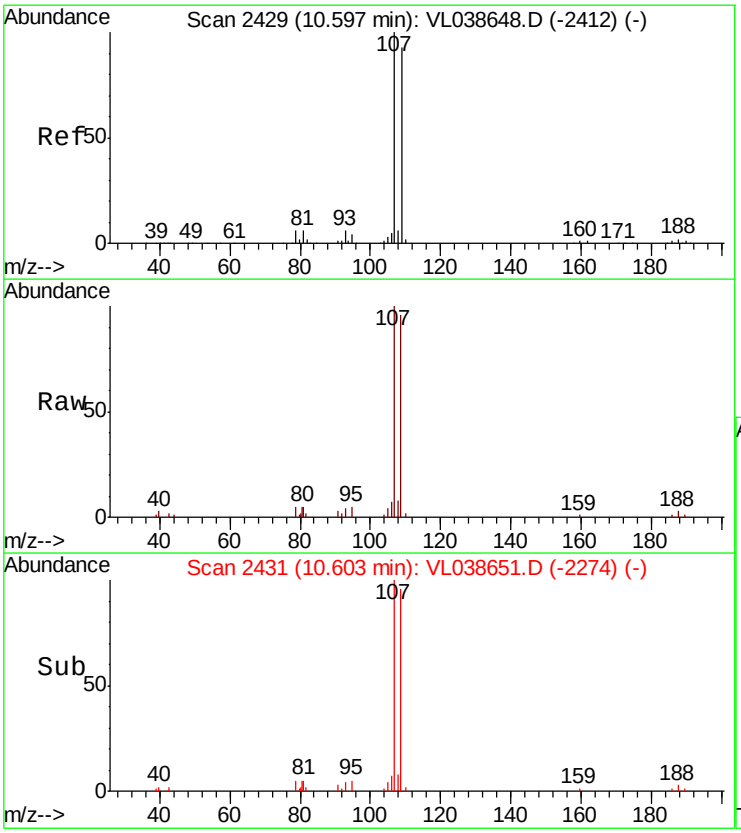
#53
Toluene
Concen: 0.217 ppbv
RT: 9.80
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 44000

Ion	Ratio	Lower	Upper
91	100		
92	124.1	48.7	73.1#

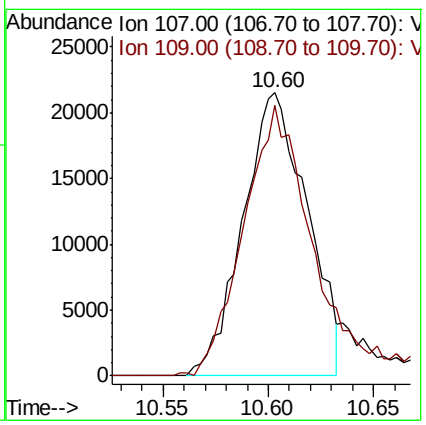


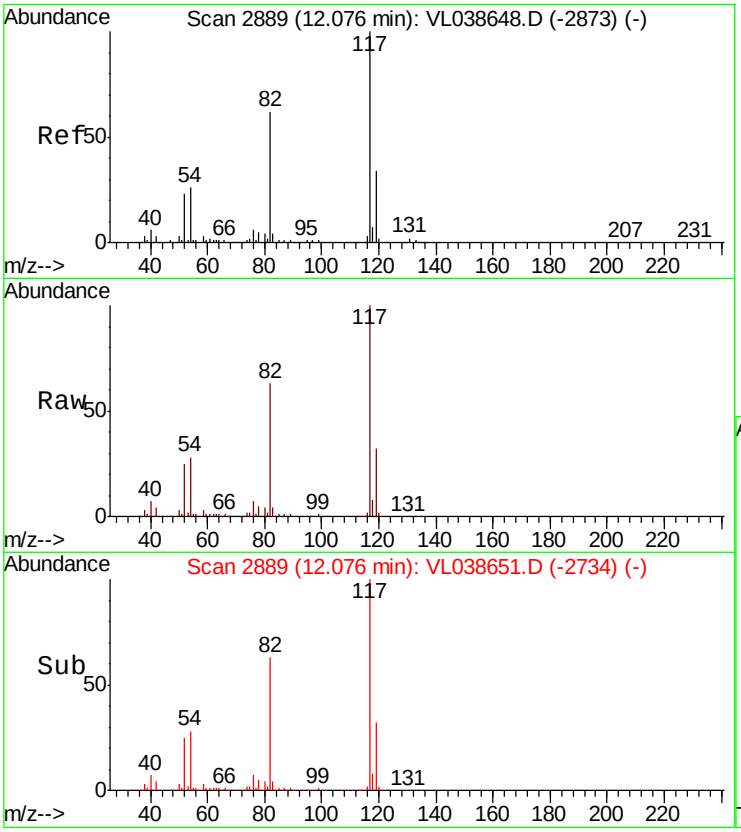


#54
1,2-Dibromoethane
Concen: 0.423 ppbv
RT: 10.60 min Scan# 2431
Delta R.T. 0.01 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion:107 Resp: 45511

Ion	Ratio	Lower	Upper
107	100		
109	94.6	74.1	111.1



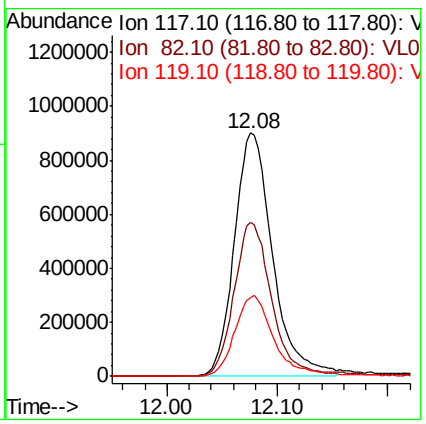


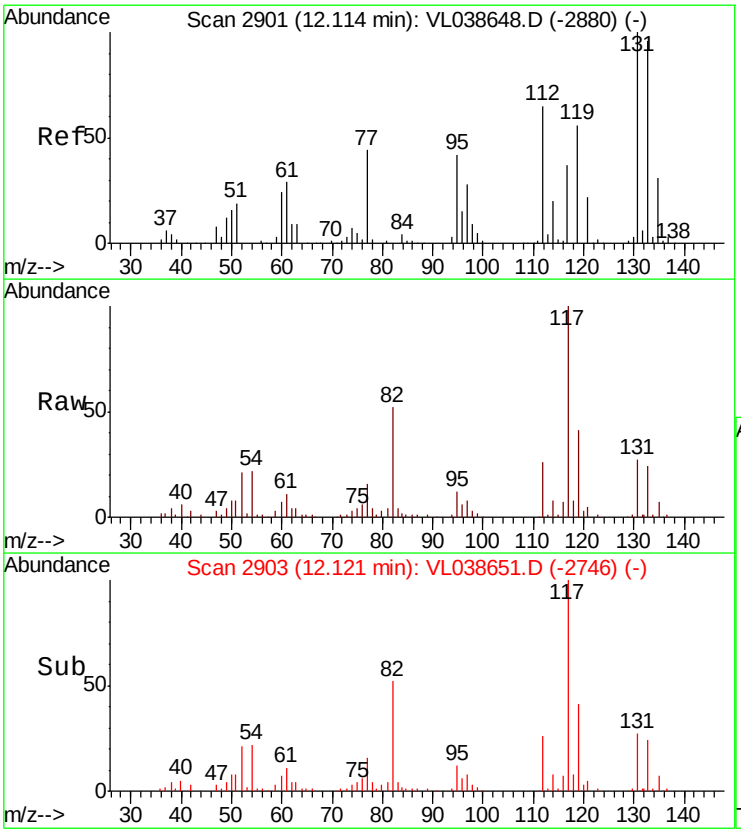
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 2170318

Ion	Ratio	Lower	Upper
117	100		
82	64.3	51.6	77.4
119	35.1	26.9	40.3

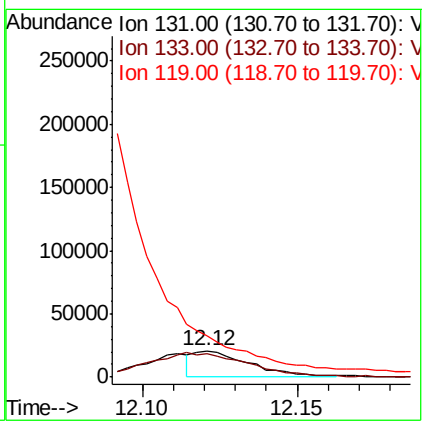


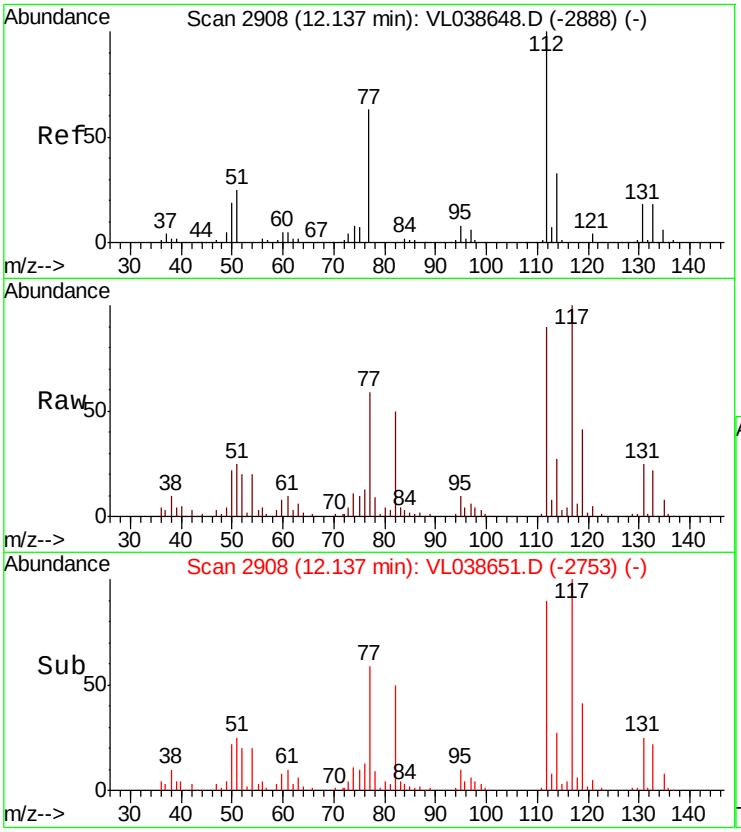


#56
1,1,1,2-Tetrachloroethane
Concen: 0.277 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion:131 Resp: 24897

Ion	Ratio	Lower	Upper
131	100		
133	0.0	77.3	115.9#
119	0.0	53.0	79.6#



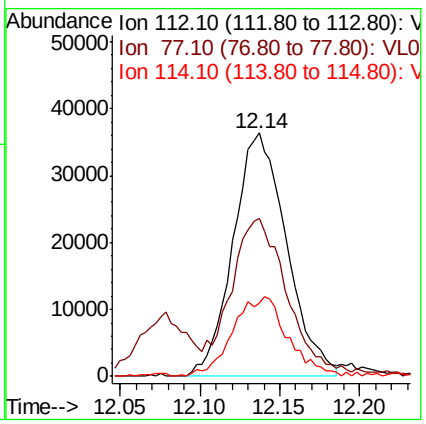


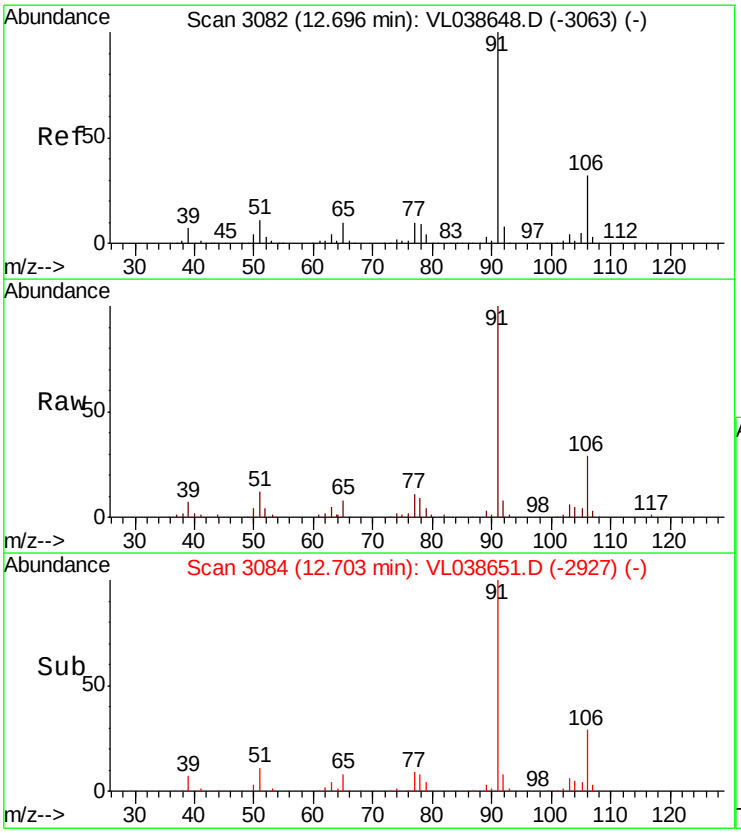
#57
Chlorobenzene
Concen: 0.532 ppbv
RT: 12.14
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:112 Resp: 83352

Ion	Ratio	Lower	Upper
112	100		
77	61.5	51.0	76.6
114	32.3	29.8	36.4

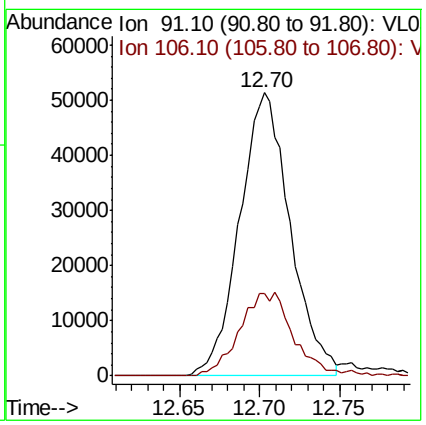


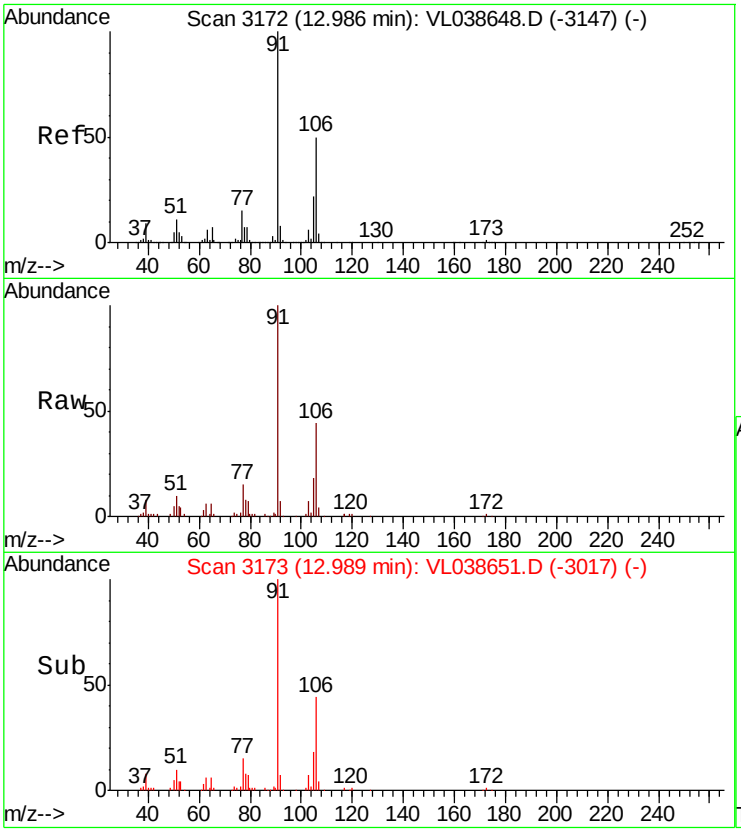


#58
Ethyl Benzene
Concen: 0.438 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. 0.01 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion: 91 Resp: 111196

Ion	Ratio	Lower	Upper
91	100		
106	29.0	25.4	38.0



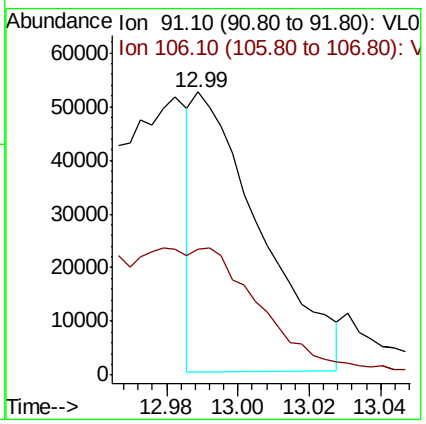


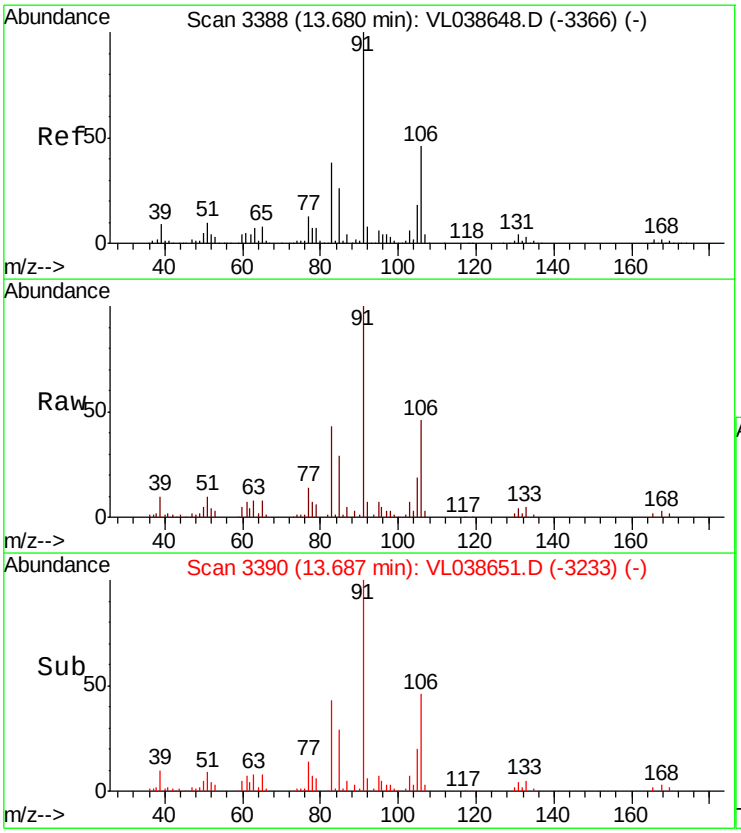
#59
m/p-Xylene
Concen: 0.305 ppbv
RT: 12.99
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 67614

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.2	55.8#

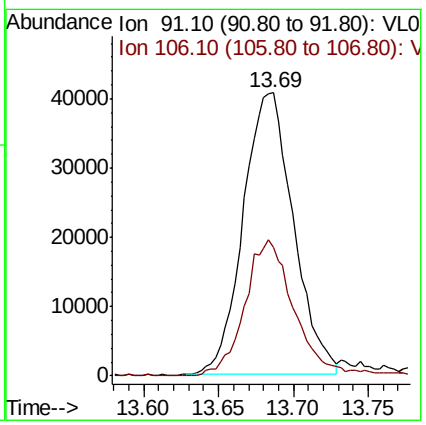


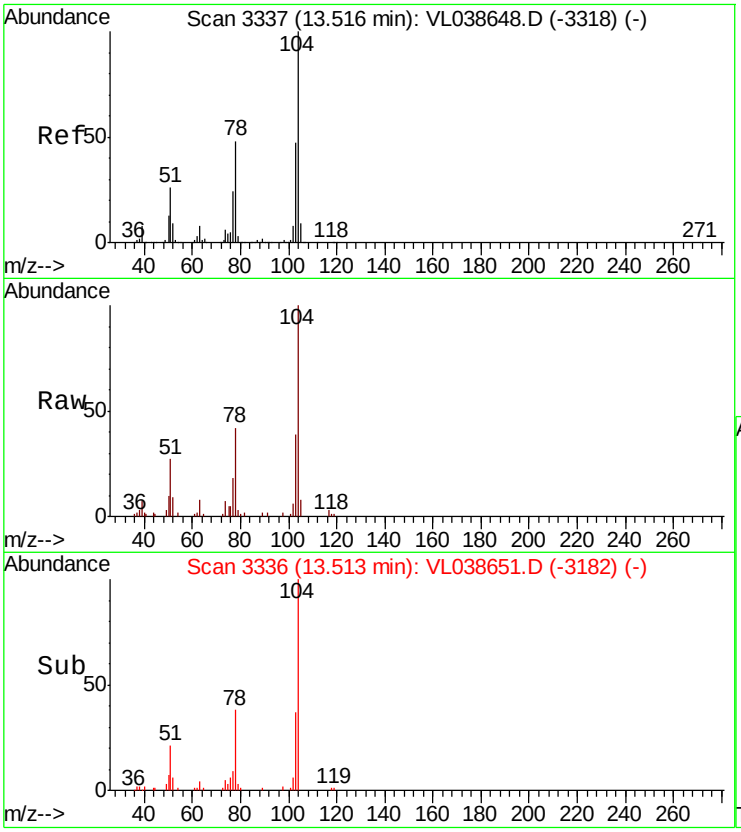


#60
o-Xylene
Concen: 0.450 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. 0.01 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion: 91 Resp: 94922

Ion	Ratio	Lower	Upper
91	100		
106	48.3	23.5	70.5



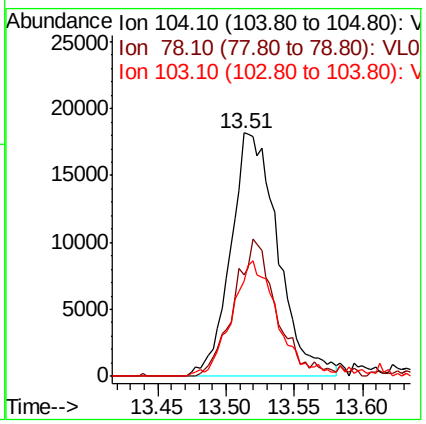


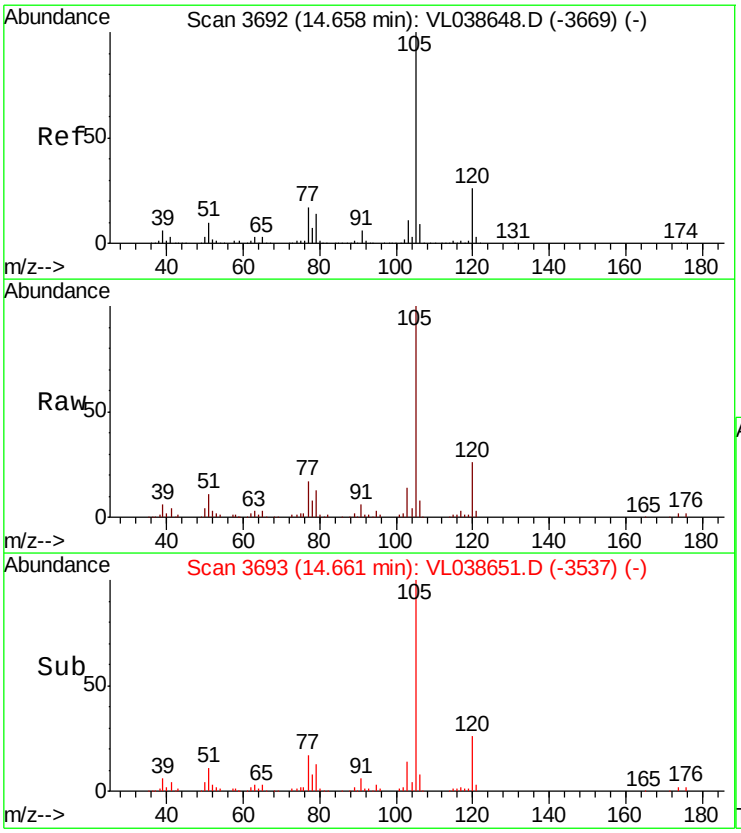
#61
Stvrene
Concen: 0.383 ppbv
RT: 13.51
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:104 Resp: 43717

Ion	Ratio	Lower	Upper
104	100		
78	52.5	39.0	58.4
103	48.5	37.8	56.8

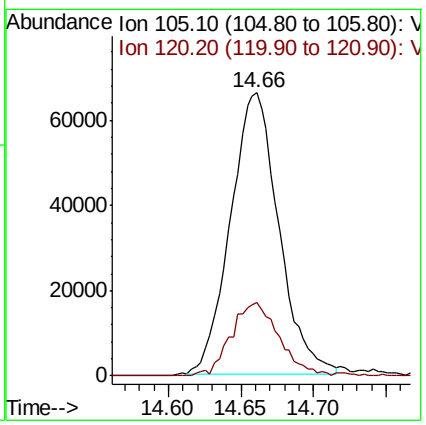


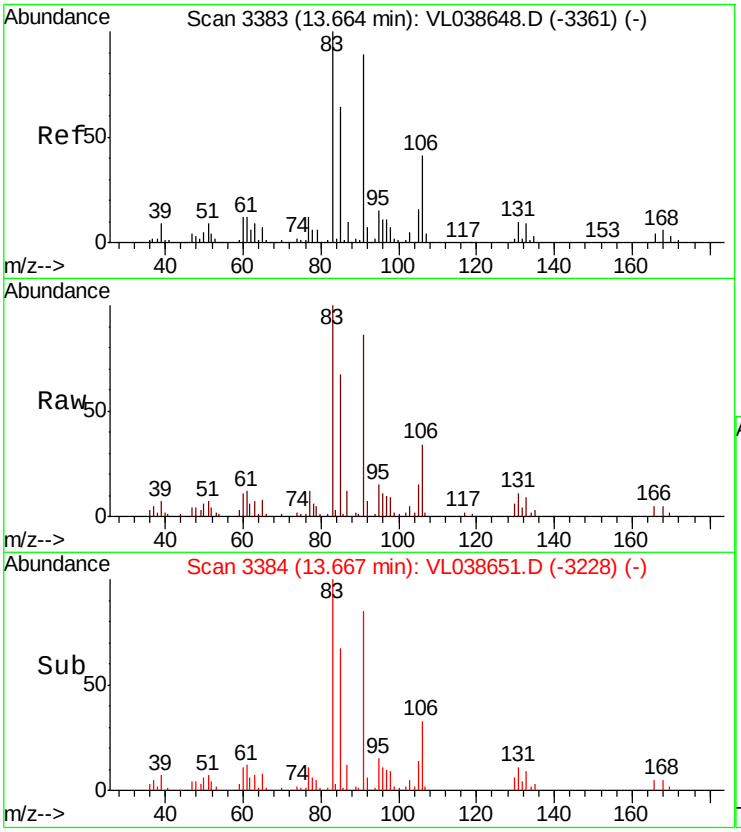


#62
Isopropylbenzene
Concen: 0.483 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. 0.00 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion:105 Resp: 152991

Ion	Ratio	Lower	Upper
105	100		
120	26.4	21.2	31.8



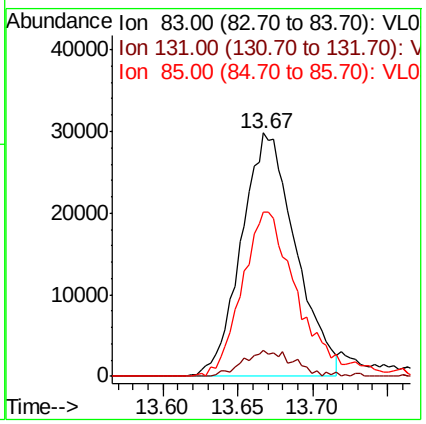


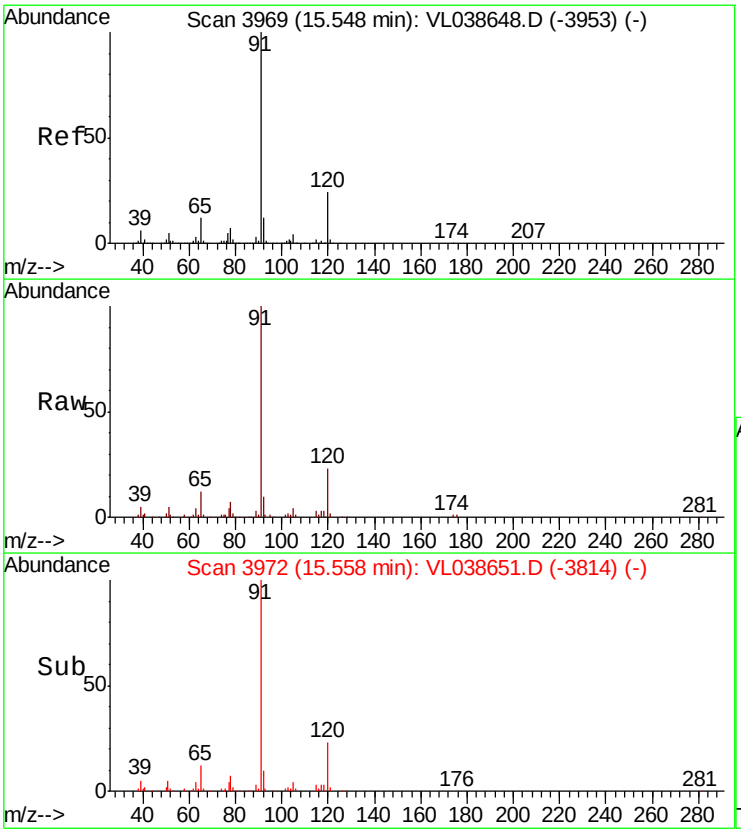
#63
1,1,2,2-Tetrachloroethane
Concen: 0.460 ppbv
RT: 13.67
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 75075

Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.8	14.3
85	72.2	32.6	97.8

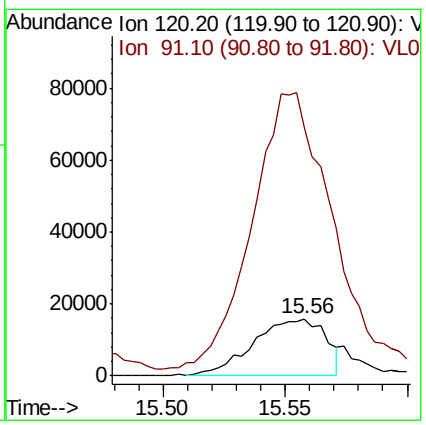


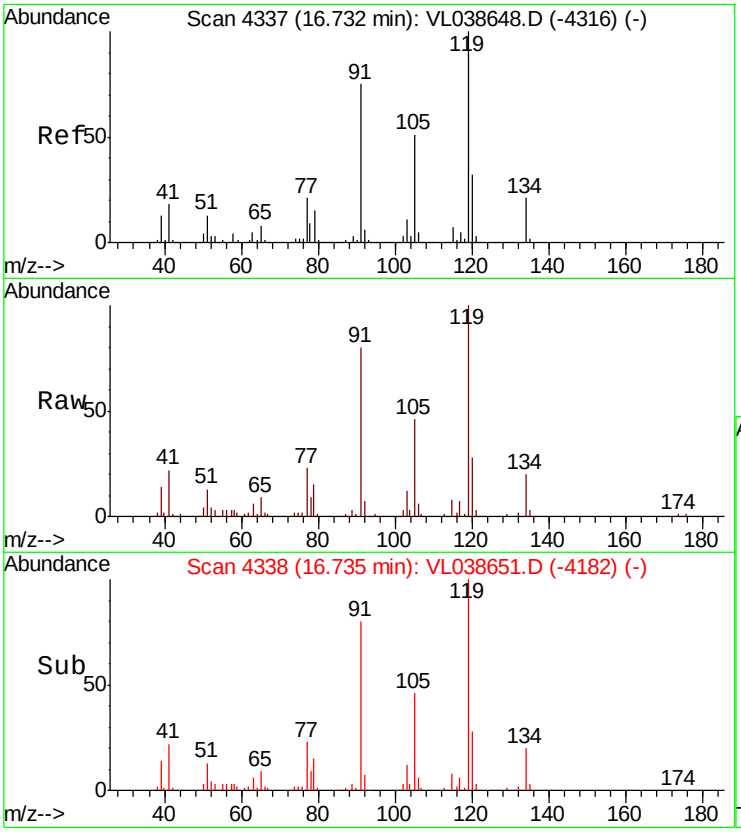


#64
n-propylbenzene
Concen: 0.392 ppbv
RT: 15.56 min Scan# 3972
Delta R.T. 0.01 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion:120 Resp: 32599

Ion	Ratio	Lower	Upper
120	100		
91	592.3	368.0	552.0#



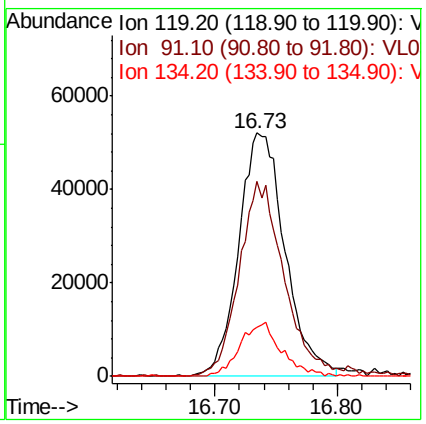


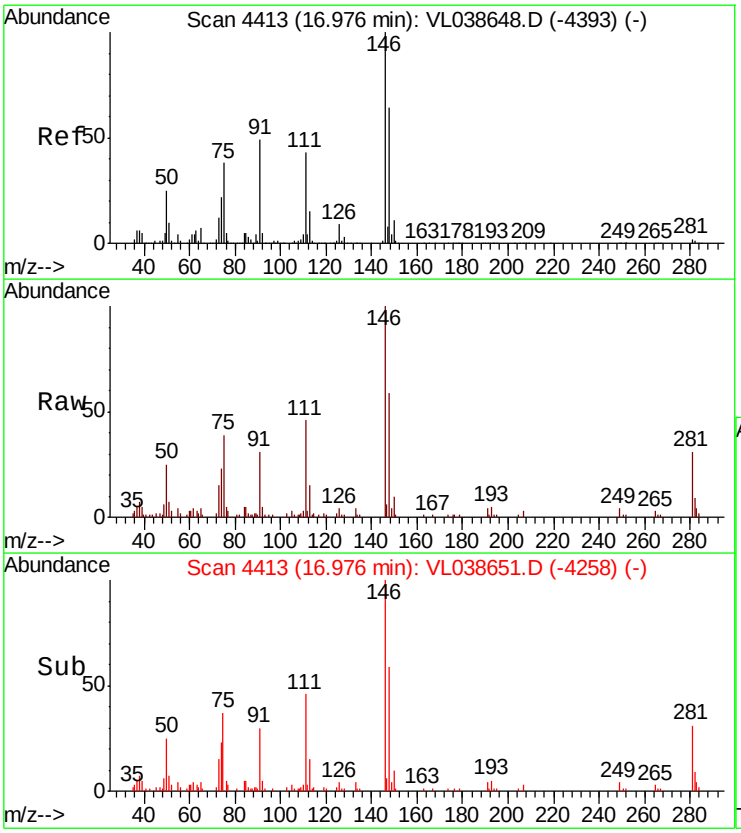
#65
tert-Butylbenzene
Concen: 0.479 ppbv
RT: 16.73
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 136451

Ion	Ratio	Lower	Upper
119	100		
91	80.3	61.2	91.8
134	19.6	16.3	24.5

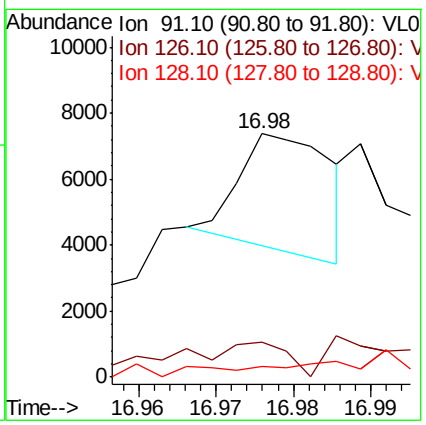


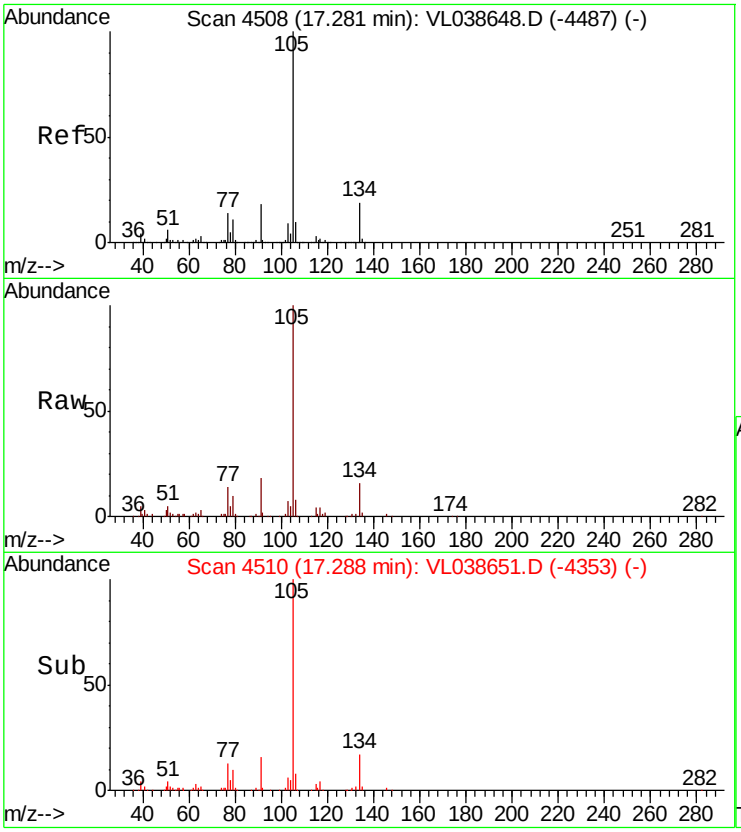


#66
Benzyl Chloride
Concen: 0.053 ppbv
RT: 16.98 min Scan# 4413
Delta R.T. -0.00 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion: 91 Resp: 2858

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.3	21.5#
128	0.0	4.6	6.8#



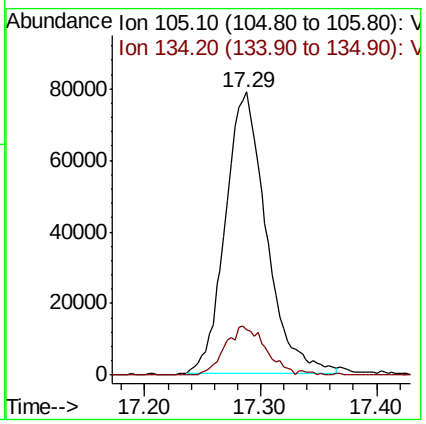


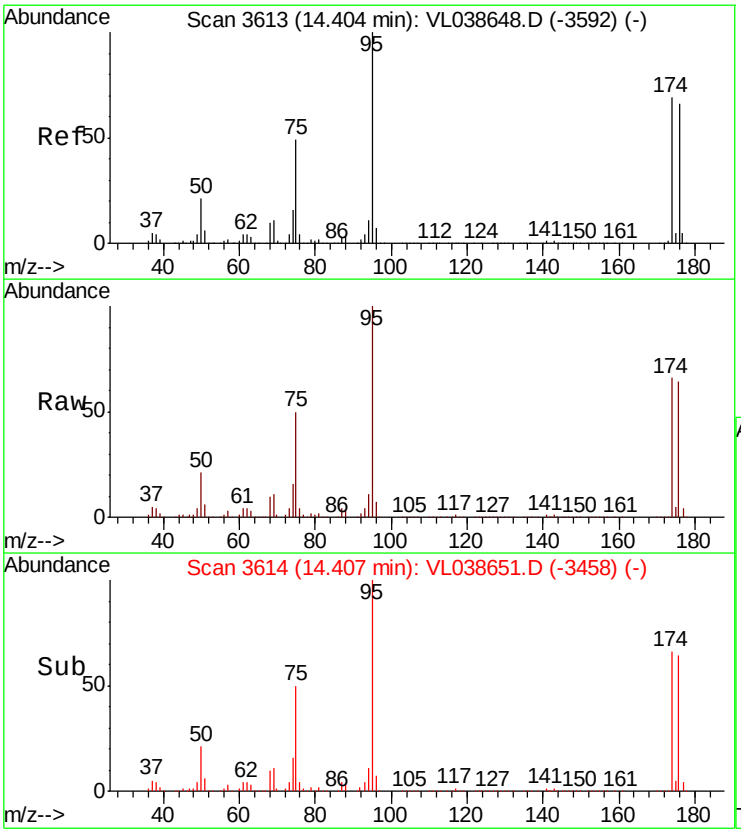
#67
sec-Butylbenzene
Concen: 0.471 ppbv
RT: 17.29
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 191641

Ion	Ratio	Lower	Upper
105	100		
134	17.6	15.1	22.7

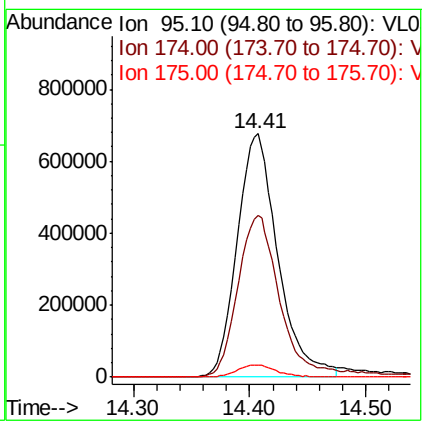


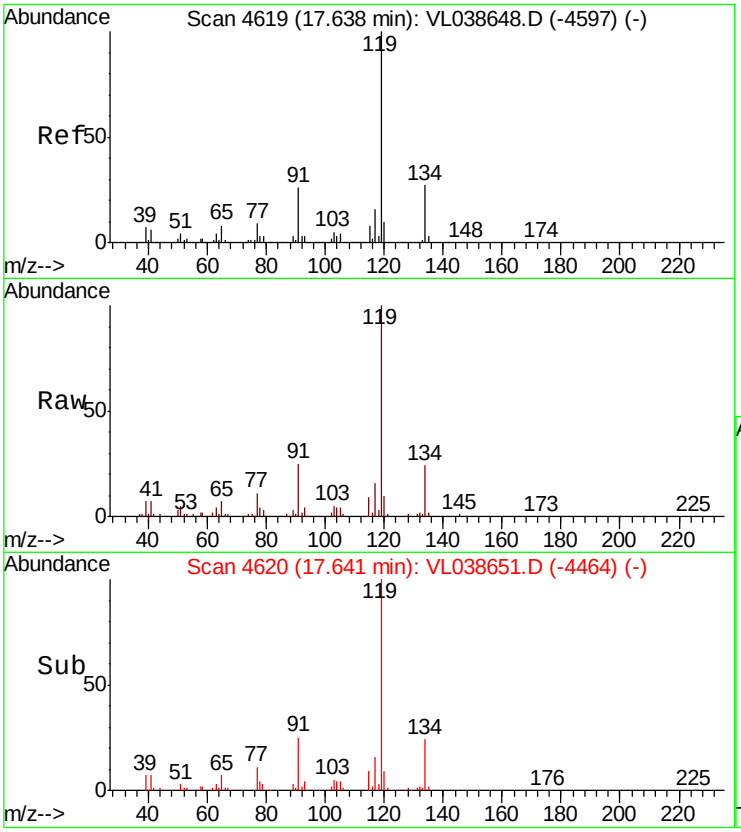


#68
1-Bromo-4-Fluorobenzene
Concen: 9.913 ppbv
RT: 14.41 min Scan# 3614
Delta R.T. 0.00 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion: 95 Resp: 1649419

Ion	Ratio	Lower	Upper
95	100		
174	71.8	56.1	84.1
175	5.3	4.2	6.2



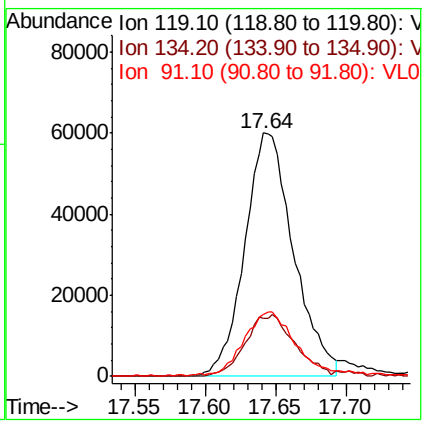


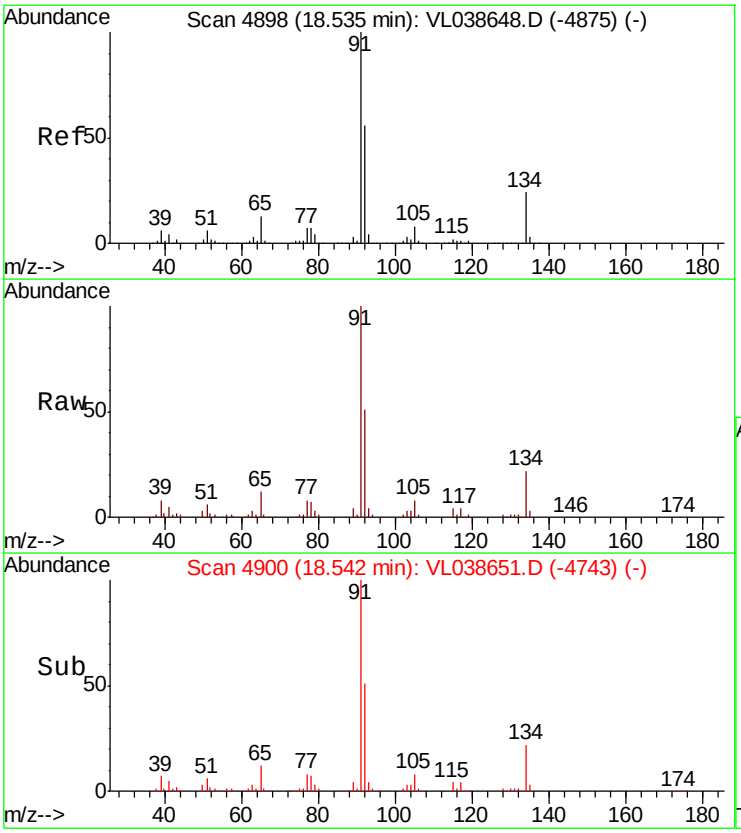
#69
p-Isopropyltoluene
Concen: 0.434 ppbv
RT: 17.64
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 144105

Ion	Ratio	Lower	Upper
119	100		
134	26.9	21.2	31.8
91	29.9	21.4	32.2

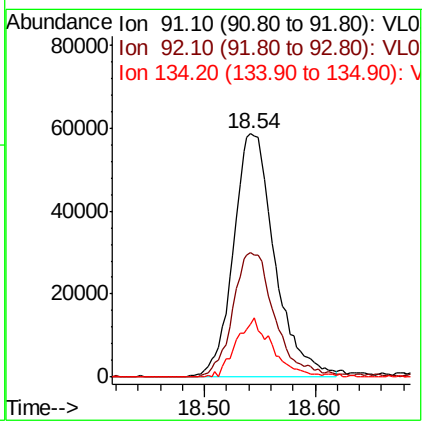


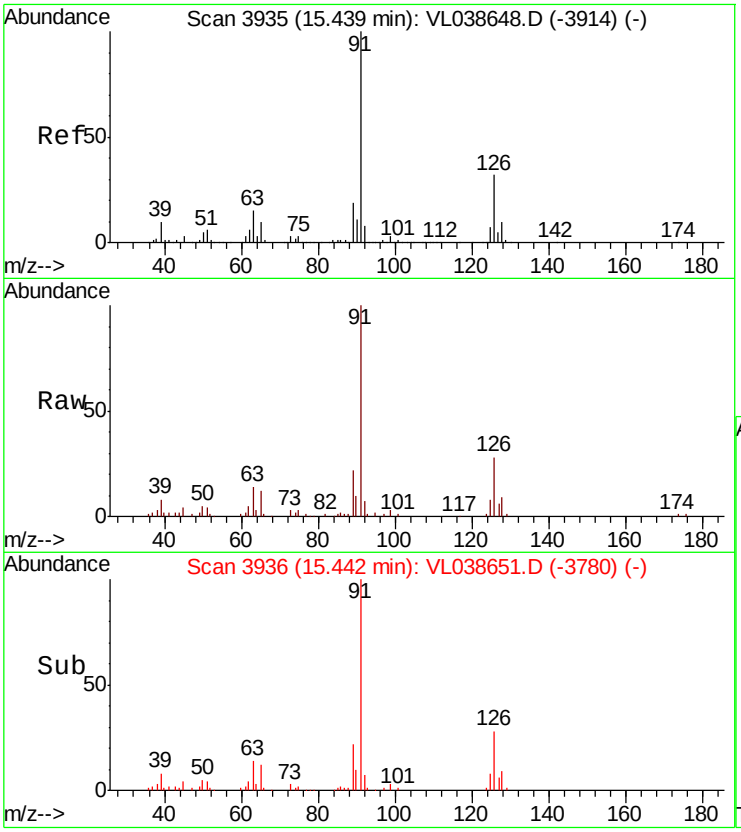


#70
n-Butylbenzene
Concen: 0.445 ppbv
RT: 18.54 min Scan# 4900
Delta R.T. 0.01 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion: 91 Resp: 152483

Ion	Ratio	Lower	Upper
91	100		
92	52.8	43.9	65.9
134	21.6	18.7	28.1



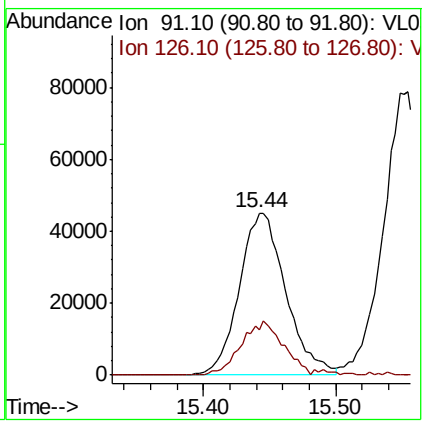


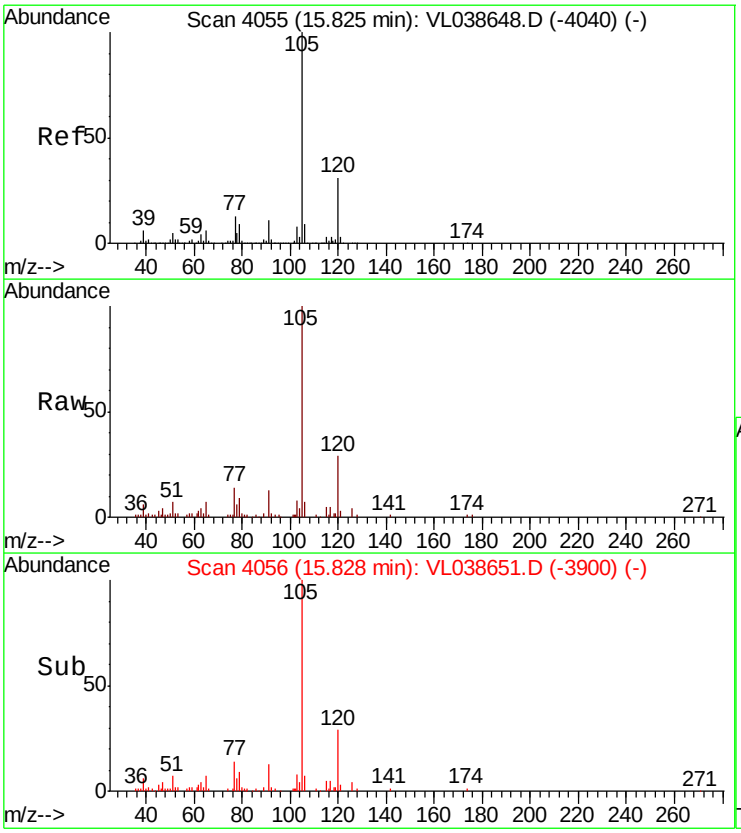
#71
2-Chlorotoluene
Concen: 0.467 ppbv
RT: 15.44
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 109802

Ion	Ratio	Lower	Upper
91	100		
126	31.5	13.1	52.3

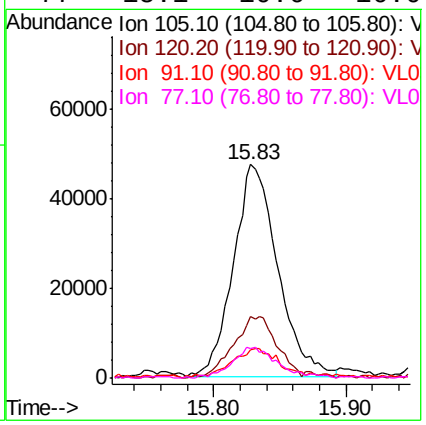


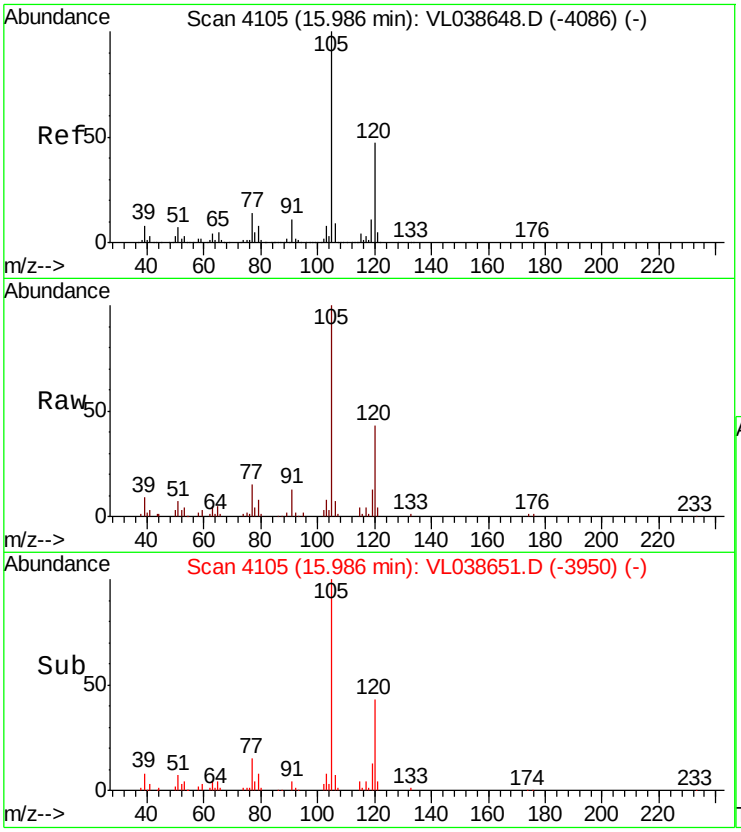


#72
4-Ethyltoluene
Concen: 0.441 ppbv
RT: 15.83 min Scan# 4056
Delta R.T. 0.00 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion:105 Resp: 109742

Ion	Ratio	Lower	Upper
105	100		
120	29.6	24.9	37.3
91	16.6	9.8	14.6#
77	15.1	10.6	16.0



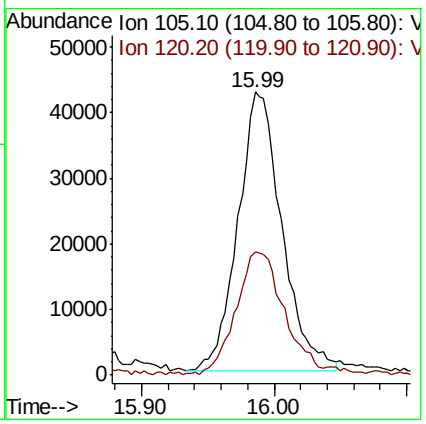


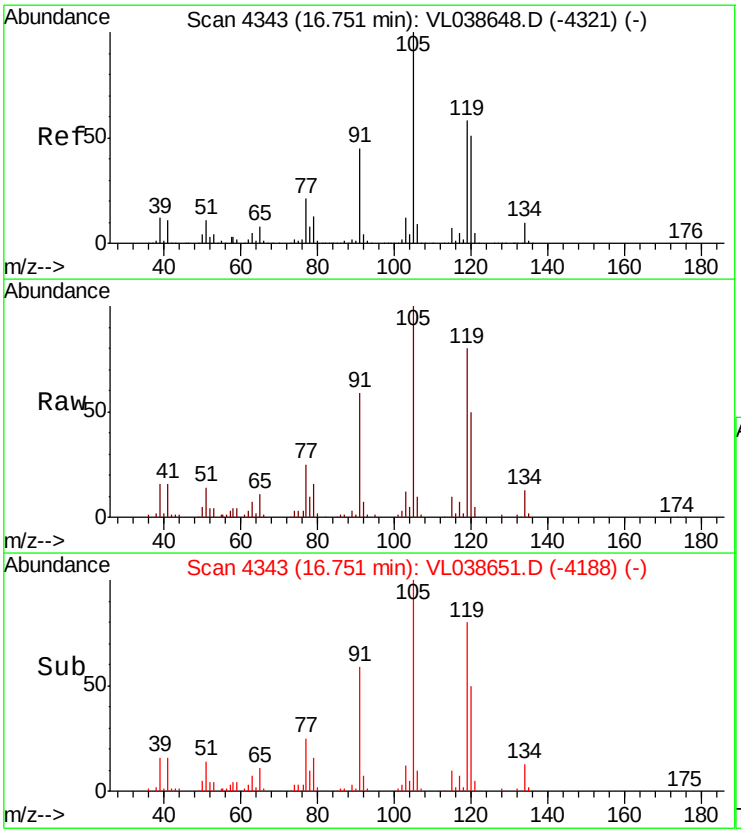
#73
1,3,5-Trimethylbenzene
Concen: 0.434 ppbv
RT: 15.99
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 98452

Ion	Ratio	Lower	Upper
105	100		
120	43.5	37.6	56.4

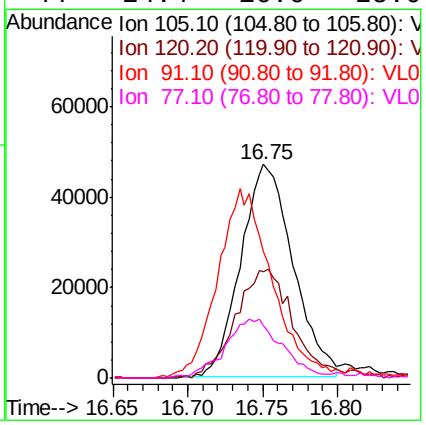


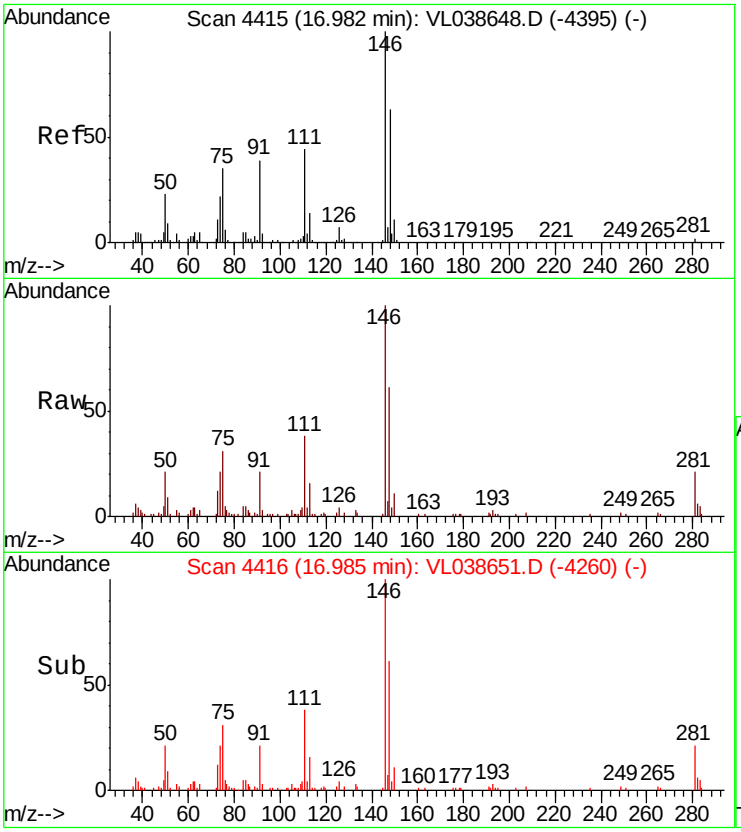


#74
1,2,4-Trimethylbenzene
Concen: 0.462 ppbv
RT: 16.75 min Scan# 4343
Delta R.T. -0.00 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion:105 Resp: 114030

Ion	Ratio	Lower	Upper
105	100		
120	48.5	40.5	60.7
91	55.5	35.9	53.9#
77	24.4	16.6	25.0



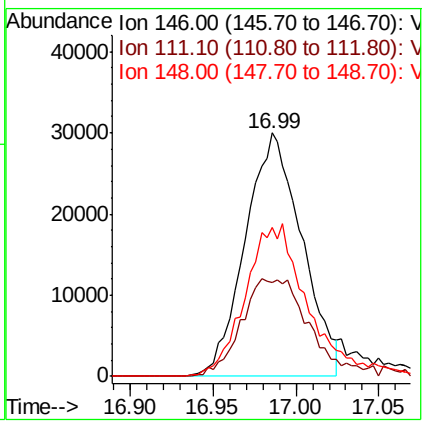


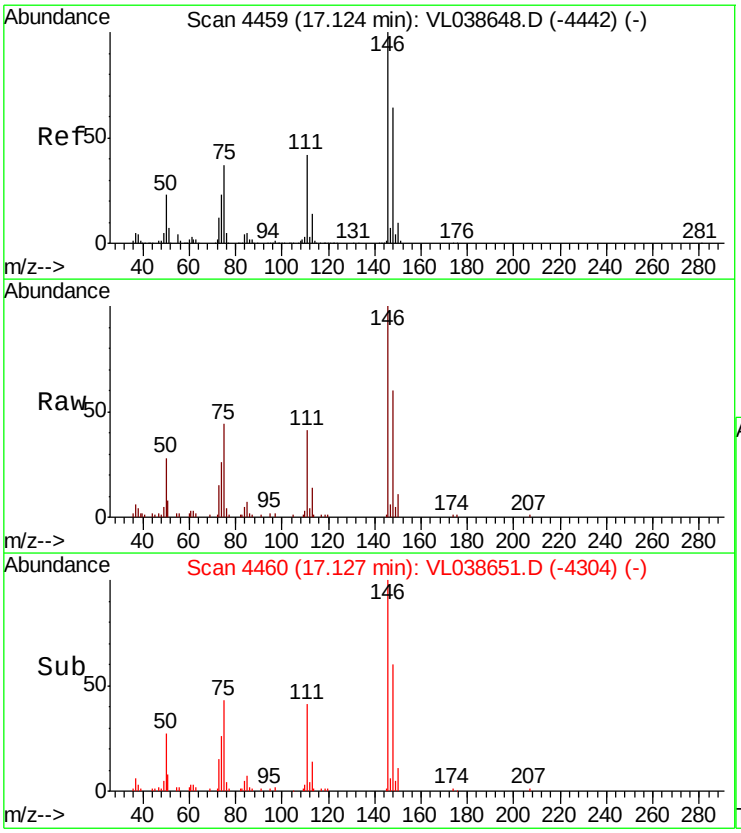
#75
1,3-Dichlorobenzene
Concen: 0.455 ppbv
RT: 16.99
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 71497

Ion	Ratio	Lower	Upper
146	100		
111	47.7	22.2	66.6
148	68.9	32.5	97.5

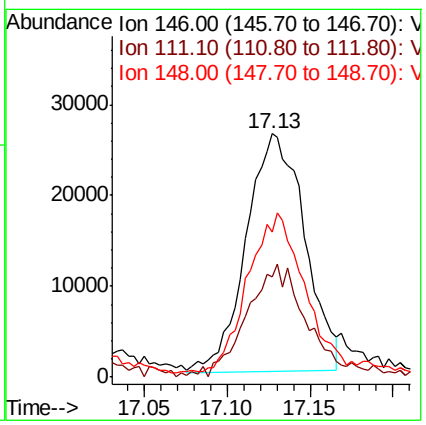


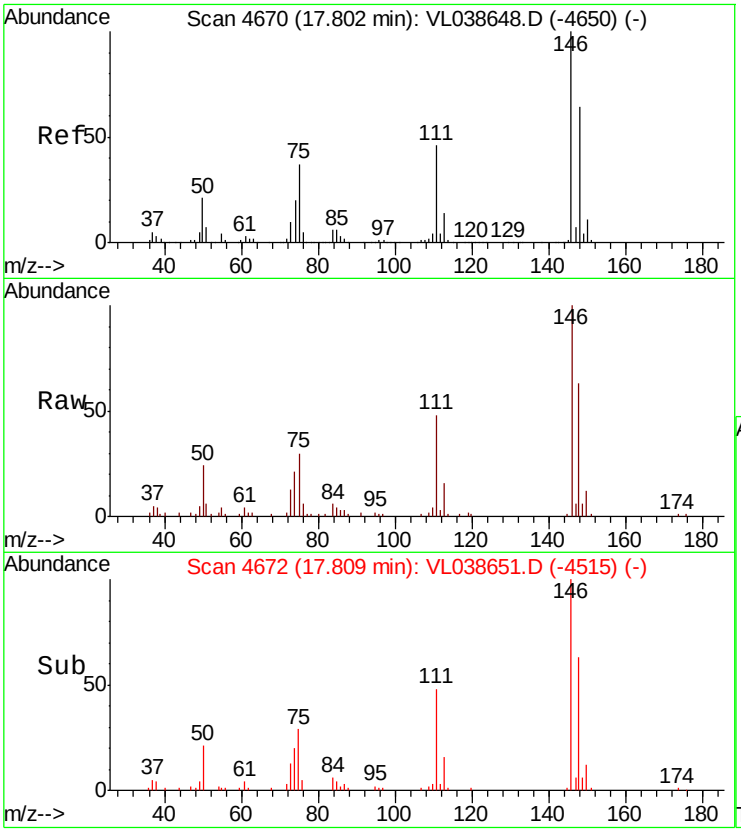


#76
1,4-Dichlorobenzene
Concen: 0.412 ppbv
RT: 17.13 min Scan# 4460
Delta R.T. 0.00 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion:146 Resp: 64368

Ion	Ratio	Lower	Upper
146	100		
111	51.4	21.4	64.2
148	75.8	32.1	96.3



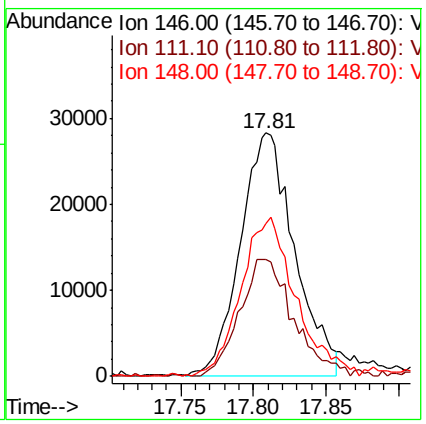


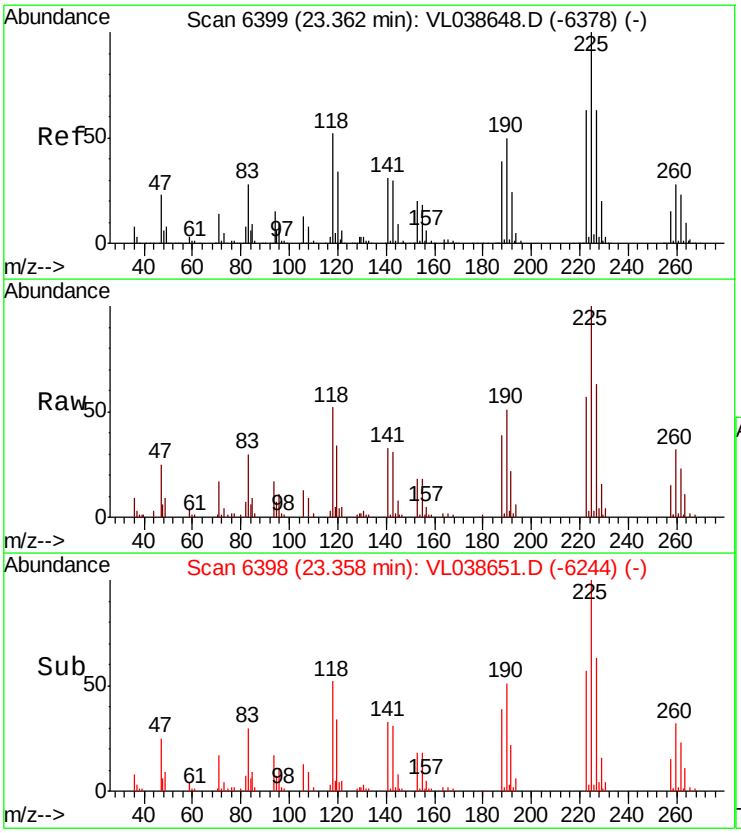
#77
1,2-Dichlorobenzene
Concen: 0.474 ppbv
RT: 17.81
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 73847

Ion	Ratio	Lower	Upper
146	100		
111	50.0	22.8	68.4
148	69.3	32.5	97.4

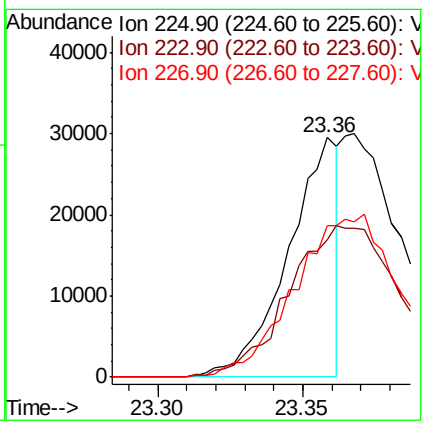


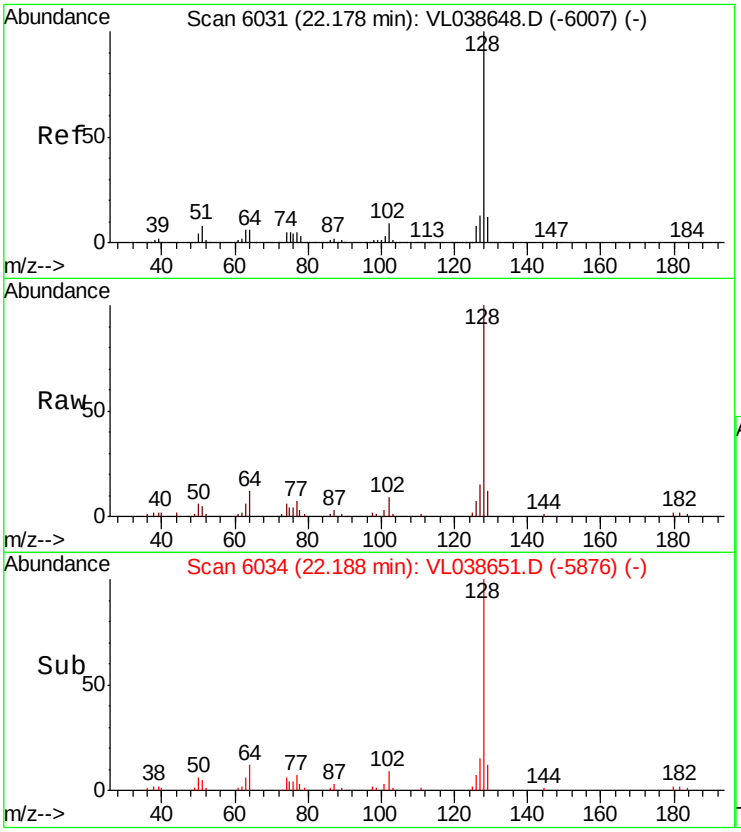


#78
Hexachloro-1,3-Butadiene
Concen: 0.244 ppbv
RT: 23.36 min Scan# 6398
Delta R.T. -0.00 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion:225 Resp: 35167

Ion	Ratio	Lower	Upper
225	100		
223	151.0	51.0	76.6#
227	0.0	51.5	77.3#



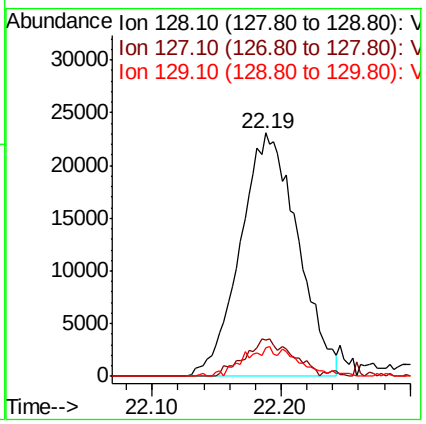


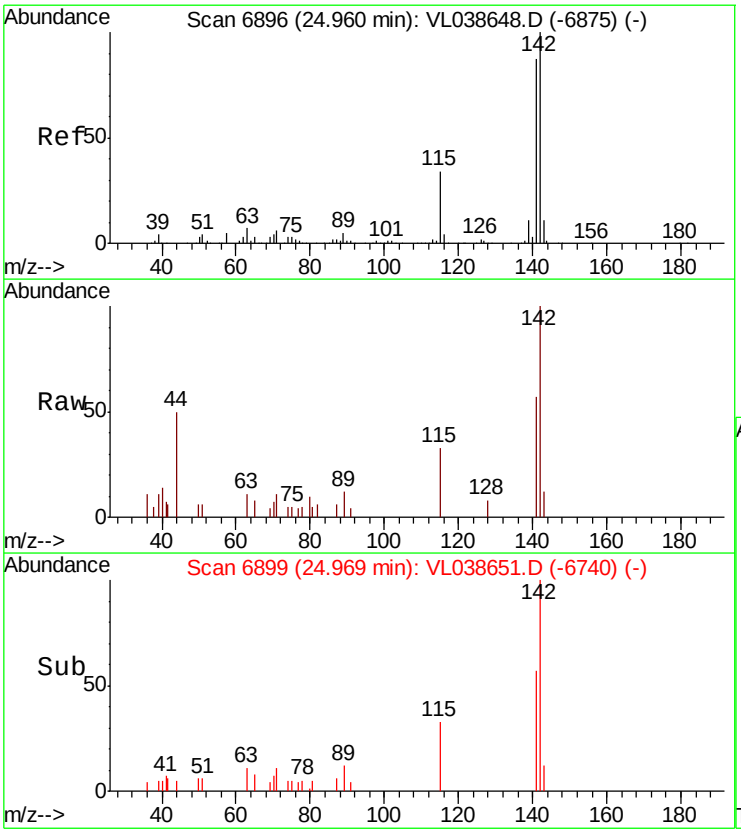
#79
Naphthalene
Concen: 0.378 ppbv
RT: 22.19
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:128 Resp: 71339

Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.2	15.4
129	11.6	9.2	13.8

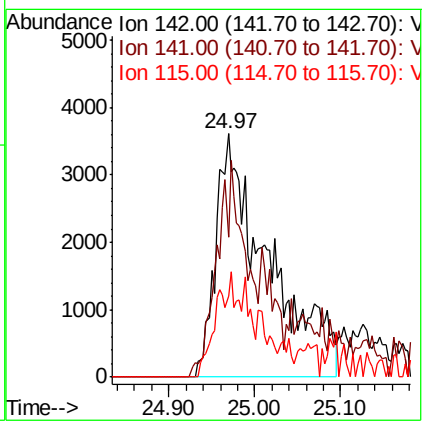


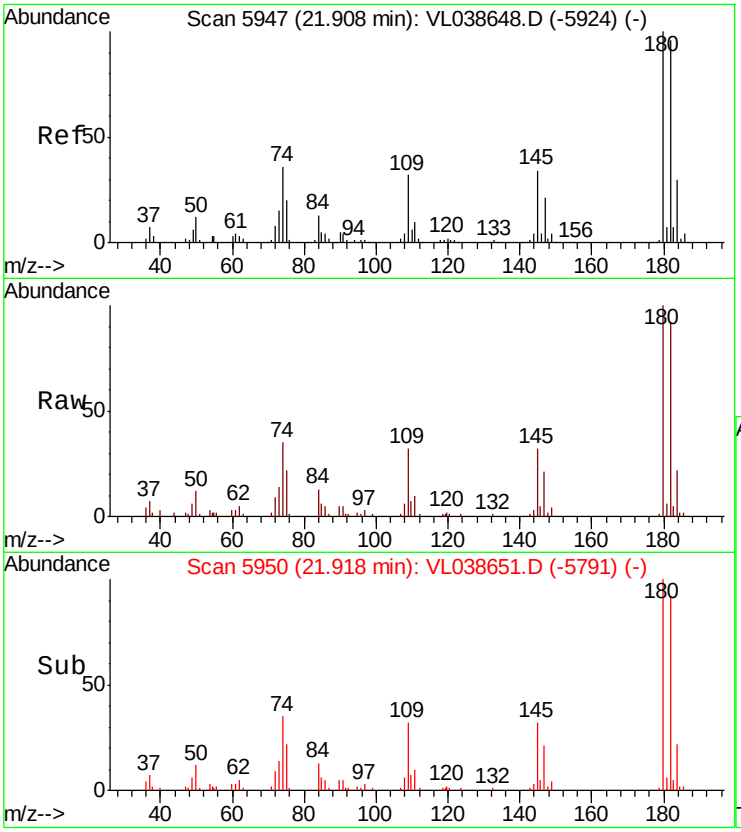


#80
Naphthalene,2-methyl-
Concen: 0.300 ppbv
RT: 24.97 min Scan# 6899
Delta R.T. 0.01 min
Lab File: VL038651.D
Acq: 21 Mar 2022 14:31

Tgt Ion:142 Resp: 15185

Ion	Ratio	Lower	Upper
142	100		
141	66.7	66.4	99.6
115	33.9	27.8	41.6





#81
1,2,4-Trichlorobenzene
Concen: 0.236 ppbv
RT: 21.92
Delta R.T
Lab File:
Acq: 21 Mar 2022 14:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:180 Resp: 30435

Ion	Ratio	Lower	Upper
180	100		
182	0.0	79.2	118.8#
184	0.0	24.8	37.2#