Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL053122\
Data File : VL039135.D
Acq On : 31 May 2022 17:36
Operator : SY/AP
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: May 31 19:51:34 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue May 31 17:05:54 2022
QLast Update : Tue May 31 17:05:54 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	1358865	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	3449010	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.09	117	3143099	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	2554934	10.26	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	279677	1.31	ppbv		98
3) Chlorodifluoromethane	3.00	51	183964	1.09	ppbv		97
4) Chloromethane	3.15	50	90877	1.08	ppbv		98
5) Vinyl Chloride	3.27	62	92521	1.20	ppbv		92
6) Bromomethane	3.49	94	39572	1.09	ppbv		84
7) Chloroethane	3.57	64	31496	1.22	ppbv		91
8) Dichlorotetrafluoroethane	3.20	85	236263	1.22	ppbv		97
9) Propene	3.02	41	84381	1.15	ppbv		99
10) Heptane	8.13	43	187367	1.04	ppbv		99
11) Trichlorofluoromethane	3.96	101	227418	1.24	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.50	101	150560	1.20	ppbv		96
13) Ethanol	3.62	45	1936	0.37	ppbv	#	100
14) Bromoethene	3.75	108	65309	1.26	ppbv	#	95
15) Acetone	3.86	43	50689	0.40	ppbv	#	47
16) 1,3-Butadiene	3.34	39	76000	1.03	ppbv		93
17) tert-Butyl alcohol	4.30	59	110631	1.12	ppbv	#	94
18) 1,1-Dichloroethene	4.29	96	32590	0.60	ppbv		97
19) Isopropyl Alcohol	3.98	45	67140	1.10	ppbv	#	92
20) Methylene Chloride	4.35	84	67130	1.39	ppbv		93
21) Allyl Chloride	4.42	41	91332	1.05	ppbv		93
22) trans-1,2-Dichloroethene	4.89	96	26348	0.45	ppbv		88
23) Vinyl Acetate	5.08	43	116763	1.15	ppbv	#	96
24) 1,1-Dichloroethane	5.02	63	166343	1.42	ppbv		97
25) Ethyl Acetate	5.69	43	324773	1.06	ppbv	#	96
26) Hexane	5.69	57	144459	1.06	ppbv		91
27) Carbon Disulfide	4.56	76	139380	1.08	ppbv		97
28) Methyl tert-Butyl Ether	5.04	73	64543	0.62	ppbv	#	25
29) Chloroform	5.76	83	250389	1.14	ppbv		98
30) Cyclohexane	7.14	84	122101	1.07	ppbv	#	65
31) cis-1,2-Dichloroethene	5.55	61	148854	1.07	ppbv		95
32) 1,1,1-Trichloroethane	6.51	97	249751	1.13	ppbv		99
34) 2-Butanone	5.26	43	191486	1.09	ppbv		96
35) Carbon Tetrachloride	7.02	117	259615	1.14	ppbv		90
36) Benzene	6.89	78	296245	1.00	ppbv		97
37) 1,2-Dichloroethane	6.31	62	102511	0.56	ppbv	#	84
38) Trichloroethene	7.84	130	134793	1.03	ppbv		98
39) 1,2-Dichloropropane	7.61	63	117769	1.03	ppbv		94
41) Tetrahydrofuran	6.07	42	101629	0.86	ppbv		88
42) Bromodichloromethane	7.80	83	256860	1.03	ppbv		97
43) Methyl Methacrylate	8.02	69	105881	0.88	ppbv		89
44) 2,2,4-Trimethylpentane	7.88	57	531657	1.03	ppbv		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL053122\
Data File : VL039135.D
Acq On : 31 May 2022 17:36
Operator : SY/AP
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: May 31 19:51:34 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue May 31 17:05:54 2022
QLast Update : Tue May 31 17:05:54 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) t-1,3-Dichloropropene	9.29	75	100144	0.86	ppbv		98
46) cis-1,3-Dichloropropene	8.71	75	143325	0.93	ppbv		96
47) 1,1,2-Trichloroethane	9.48	97	124260	1.04	ppbv		93
48) Dibromochloromethane	10.31	129	208232	1.07	ppbv		96
49) Bromoform	13.04	173	167325	1.13	ppbv		99
50) 4-Methyl-2-Pentanone	8.75	43	288803	0.94	ppbv		96
51) 2-Hexanone	10.15	43	214589	0.95	ppbv	#	100
52) Tetrachloroethene	11.23	164	44446	0.42	ppbv		89
53) Toluene	9.81	91	336294	1.02	ppbv		99
54) 1,2-Dibromoethane	10.62	107	156527	0.96	ppbv		91
56) 1,1,1,2-Tetrachloroethane	12.12	131	157442	1.14	ppbv	#	1
57) Chlorobenzene	12.15	112	137929	0.59	ppbv		88
58) Ethyl Benzene	12.71	91	467161	1.03	ppbv		98
59) m/p-Xylene	13.00	91	293518	0.76	ppbv	#	1
60) o-Xylene	13.69	91	381004	1.05	ppbv		100
61) Styrene	13.53	104	198443	1.02	ppbv		98
62) Isopropylbenzene	14.67	105	575915	1.08	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.68	83	194267	0.91	ppbv		93
64) n-propylbenzene	15.56	120	134424	1.05	ppbv		79
65) tert-Butylbenzene	16.74	119	524004	1.13	ppbv		98
66) Benzyl Chloride	16.99	91	37239	0.61	ppbv	#	94
67) sec-Butylbenzene	17.29	105	724478	1.09	ppbv		99
69) p-Isopropyltoluene	17.65	119	599554	1.12	ppbv		98
70) n-Butylbenzene	18.55	91	614514	1.08	ppbv		98
71) 2-Chlorotoluene	15.45	91	436589	1.07	ppbv		98
72) 4-Ethyltoluene	15.84	105	437250	1.06	ppbv		98
73) 1,3,5-Trimethylbenzene	16.00	105	397708	1.07	ppbv		92
74) 1,2,4-Trimethylbenzene	16.76	105	449233	1.10	ppbv		95
75) 1,3-Dichlorobenzene	16.99	146	121359	0.54	ppbv	#	23
76) 1,4-Dichlorobenzene	17.13	146	110019	0.50	ppbv	#	7
77) 1,2-Dichlorobenzene	17.82	146	132584	0.60	ppbv	#	21
78) Hexachloro-1,3-Butadiene	23.37	225	246247	1.21	ppbv		98
79) Naphthalene	22.19	128	343393	1.04	ppbv		98
80) Naphthalene,2-methyl-	24.97	142	84048	0.84	ppbv	#	87
81) 1,2,4-Trichlorobenzene	21.93	180	207119	1.07	ppbv	#	100

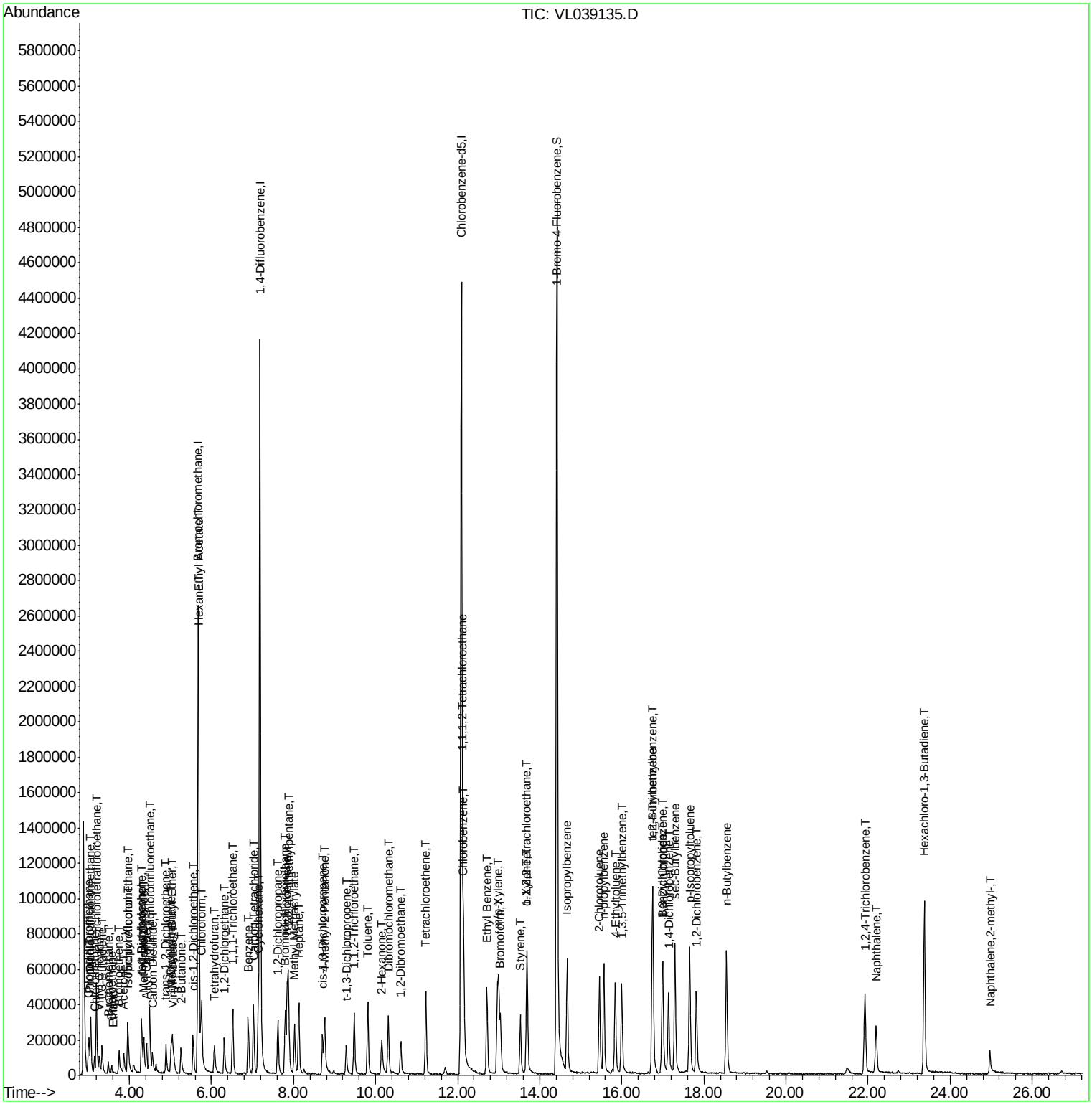
(#) = qualifier out of range (m) = manual integration (+) = signals summed

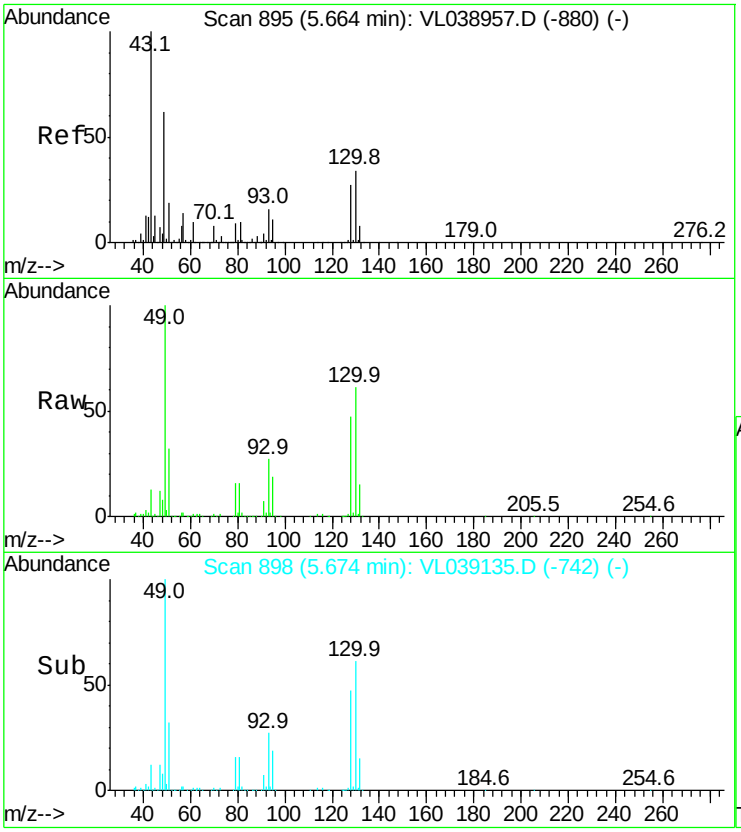
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL053122\
Data File : VL039135.D
Acq On : 31 May 2022 17:36
Operator : SY/AP
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: May 31 19:51:34 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue May 31 17:05:54 2022
QLast Update : Tue May 31 17:05:54 2022
Response via : Initial Calibration



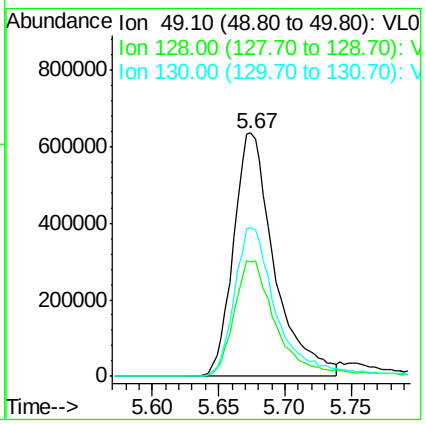


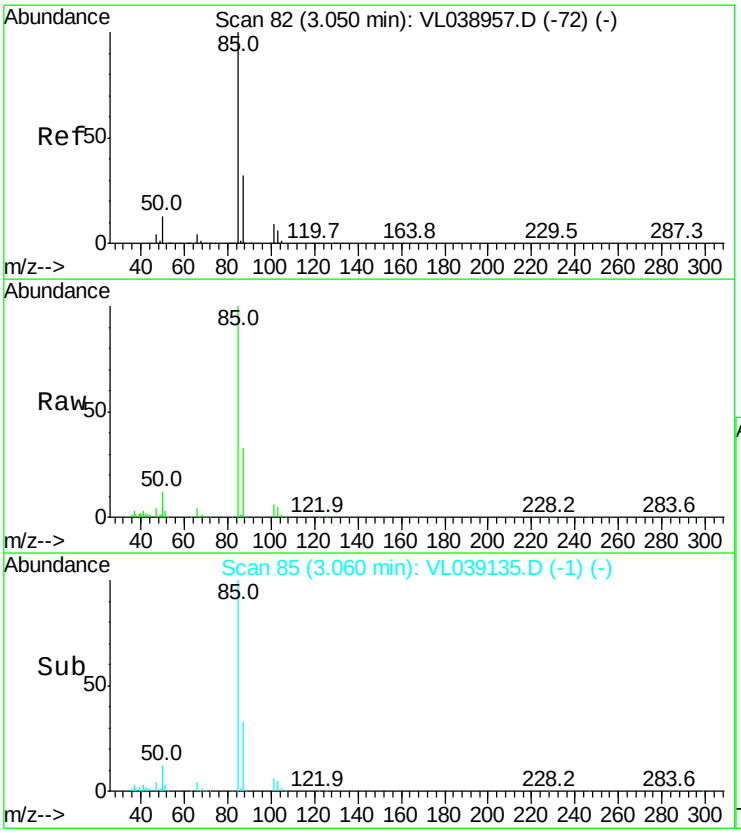
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 1358865

Ion	Ratio	Lower	Upper
49	100		
128	51.0	24.7	74.1
130	64.5	31.4	94.0

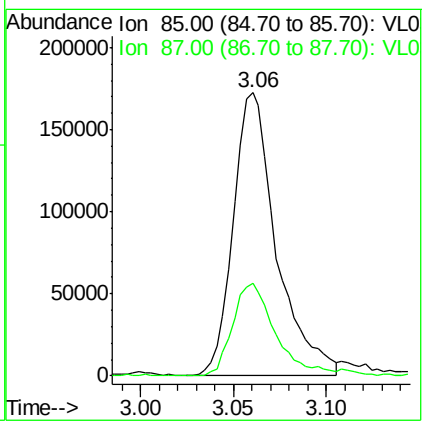


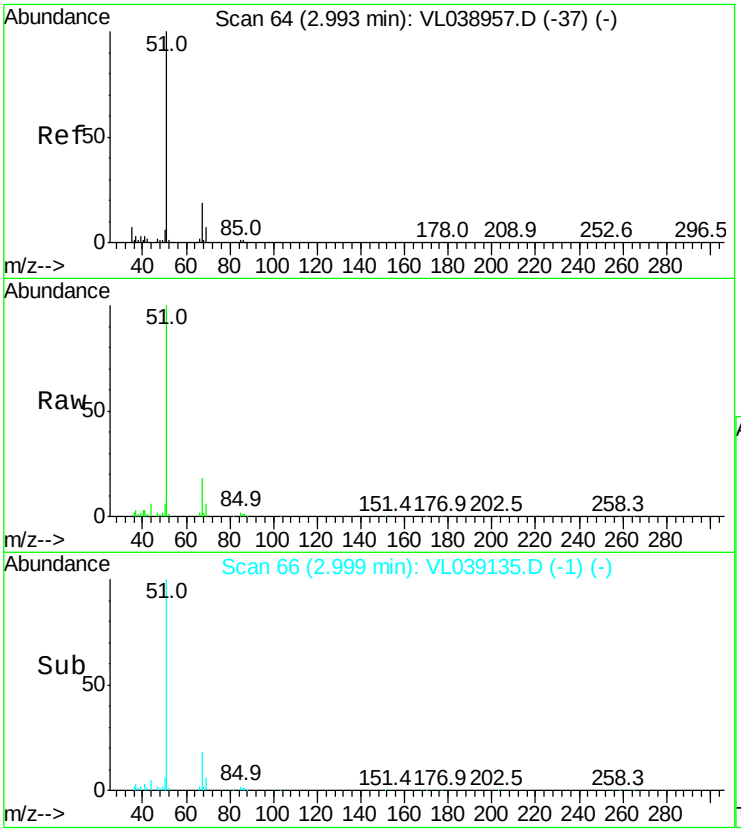


#2
Dichlorodifluoromethane
Concen: 1.31 ppbv
RT: 3.06 min Scan# 85
Delta R.T. 0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion: 85 Resp: 279677

Ion	Ratio	Lower	Upper
85	100		
87	32.7	26.9	40.3



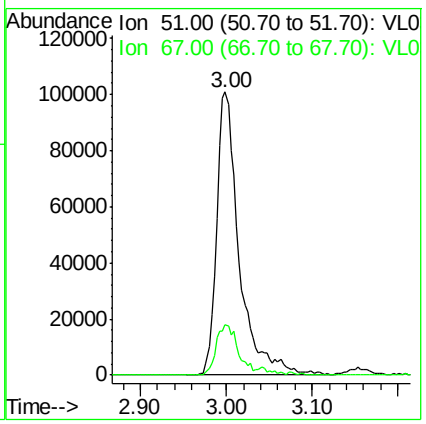


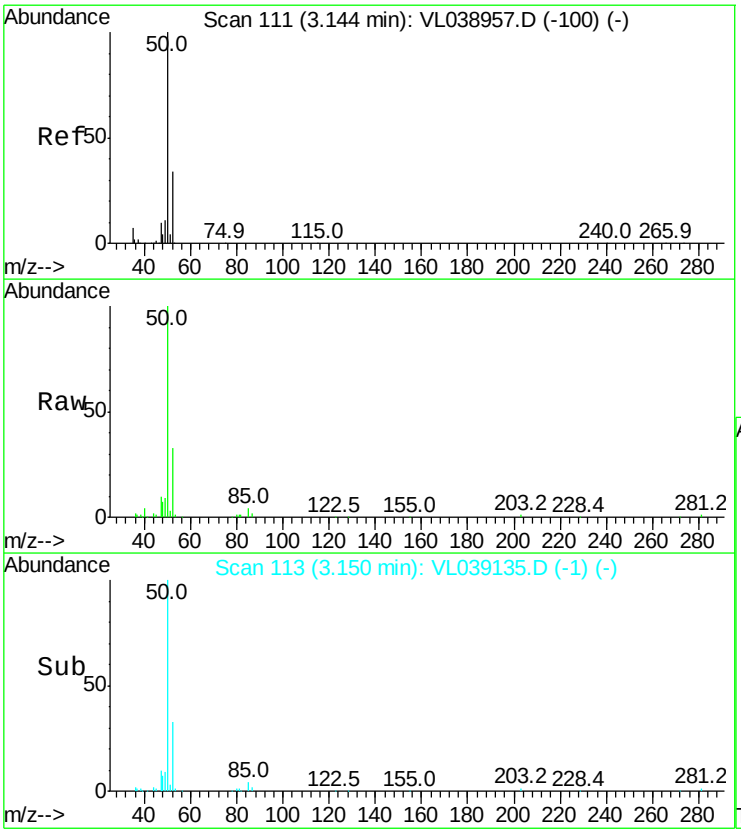
#3
Chlorodifluoromethane
Concen: 1.09 ppbv
RT: 3.00
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 183964

Ion	Ratio	Lower	Upper
51	100		
67	18.9	16.2	24.4

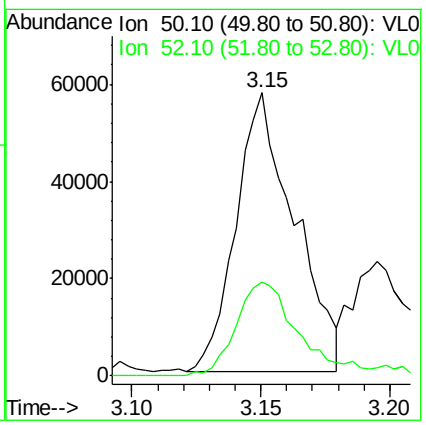


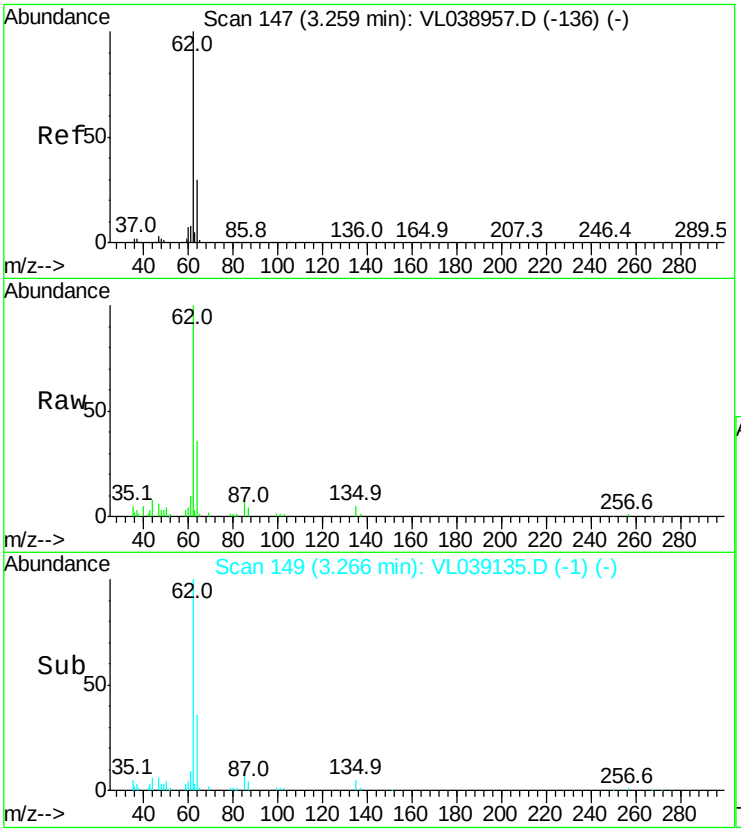


#4
Chloromethane
Concen: 1.08 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion: 50 Resp: 90877

Ion	Ratio	Lower	Upper
50	100		
52	33.8	25.9	38.9



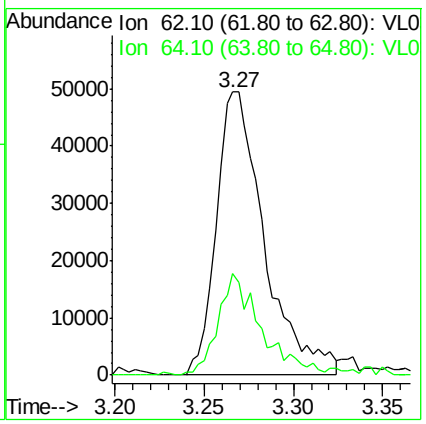


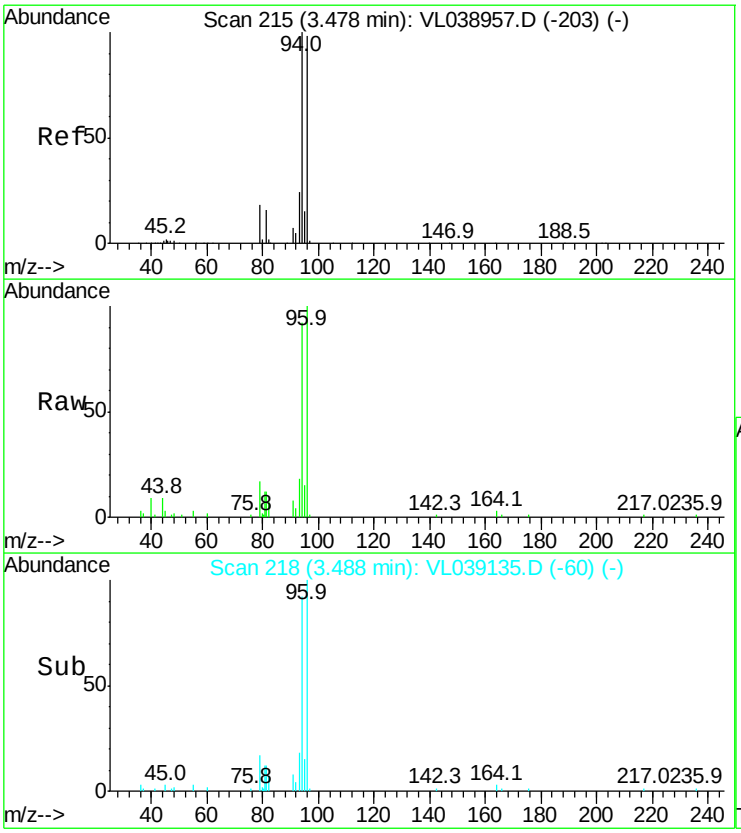
#5
Vinyl Chloride
Concen: 1.20 ppbv
RT: 3.27
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 92521

Ion	Ratio	Lower	Upper
62	100		
64	34.4	24.2	36.2

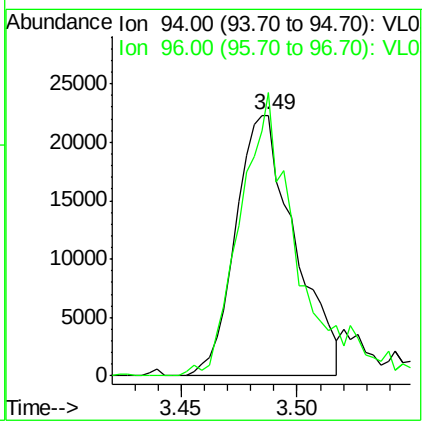


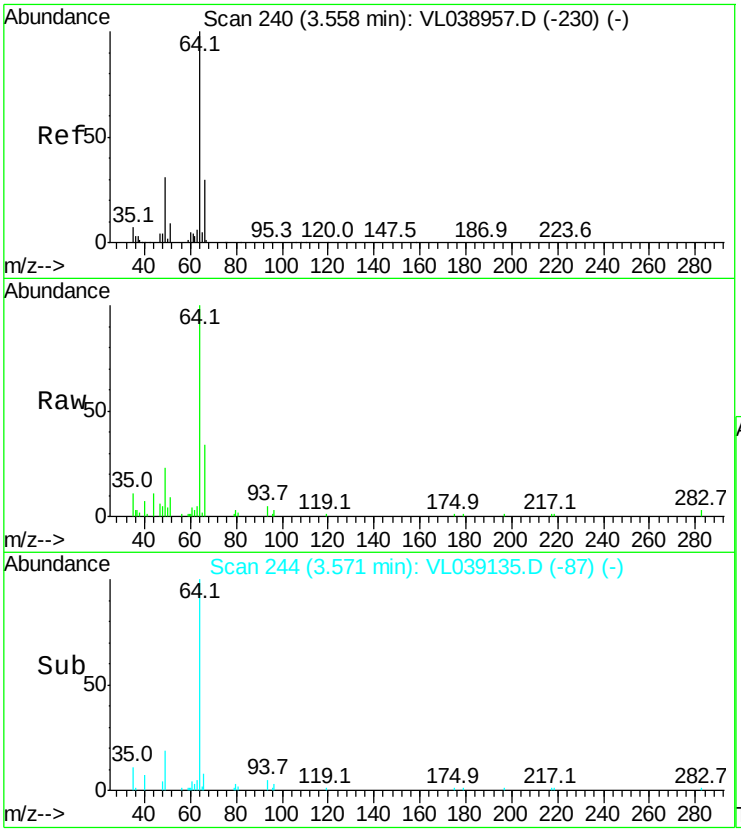


#6
Bromomethane
Concen: 1.09 ppbv
RT: 3.49 min Scan# 218
Delta R.T. 0.01 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion: 94 Resp: 39572

Ion	Ratio	Lower	Upper
94	100		
96	106.8	73.0	109.4



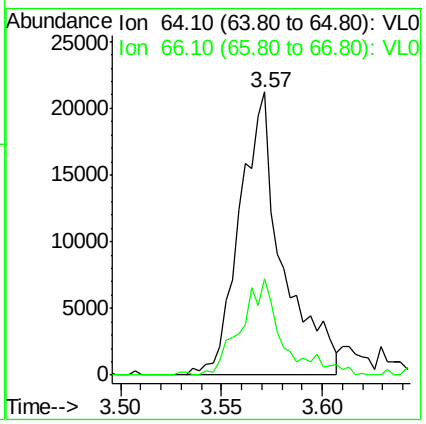


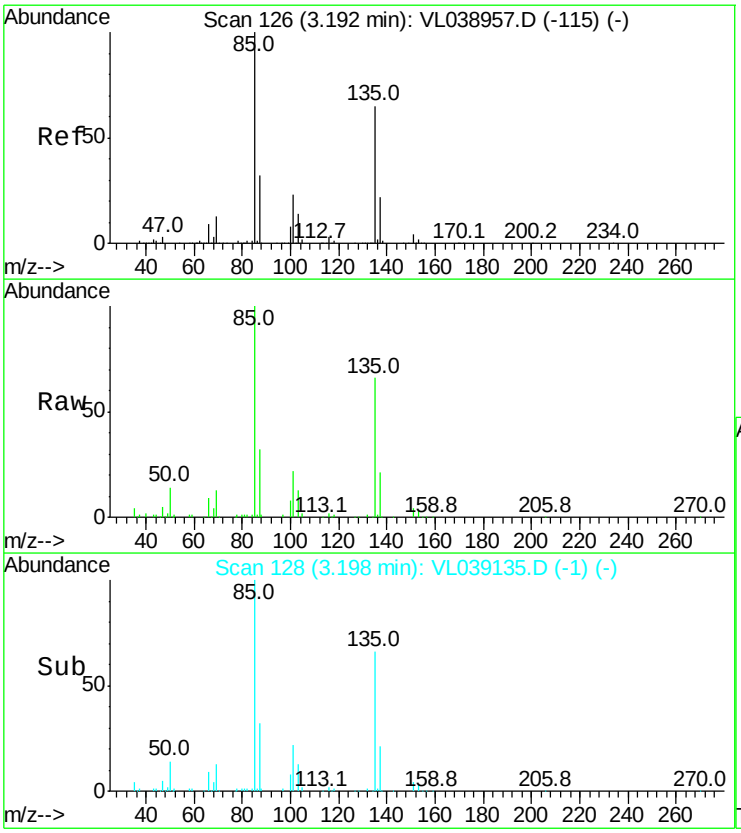
#7
Chloroethane
Concen: 1.22 ppbv
RT: 3.57
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 31496

Ion	Ratio	Lower	Upper
64	100		
66	34.1	23.6	35.4

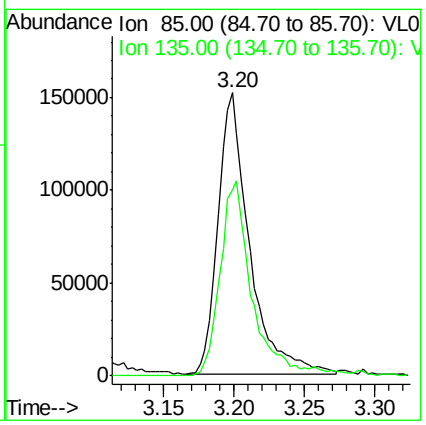


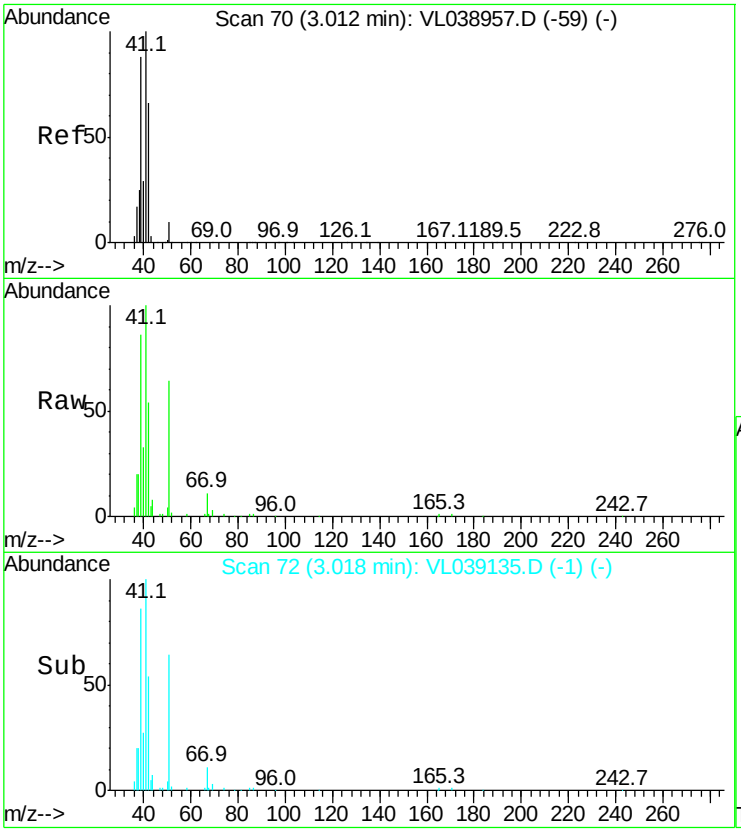


#8
Dichlorotetrafluoroethane
Concen: 1.22 ppbv
RT: 3.20 min Scan# 128
Delta R.T. 0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion: 85 Resp: 236263

Ion	Ratio	Lower	Upper
85	100		
135	71.1	55.0	82.4



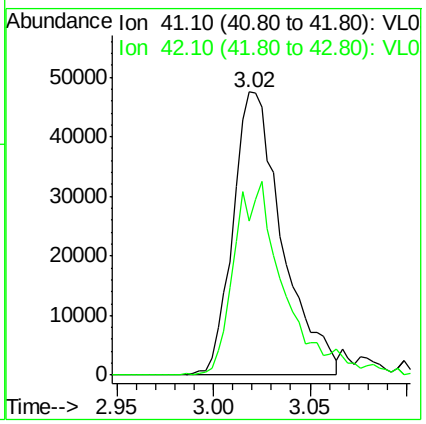


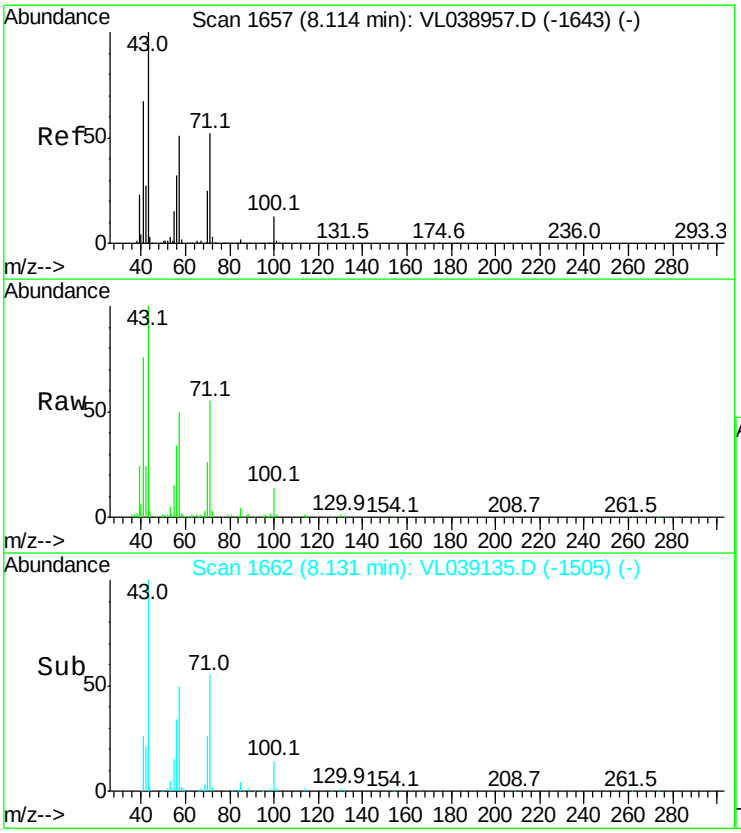
#9
Propene
Concen: 1.15 ppbv
RT: 3.02
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 84381

Ion	Ratio	Lower	Upper
41	100		
42	70.1	55.4	83.2

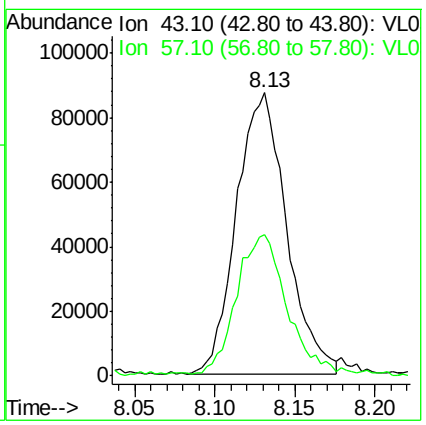


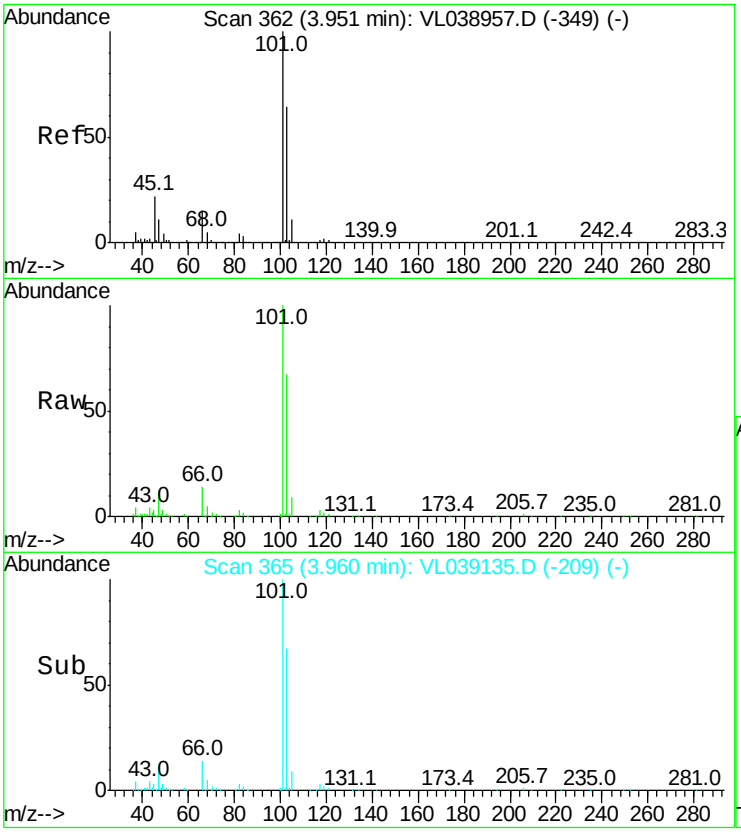


#10
Heptane
Concen: 1.04 ppbv
RT: 8.13 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion: 43 Resp: 187367

Ion	Ratio	Lower	Upper
43	100		
57	52.7	41.4	62.2



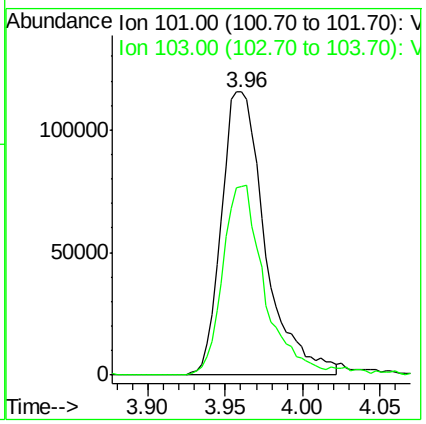


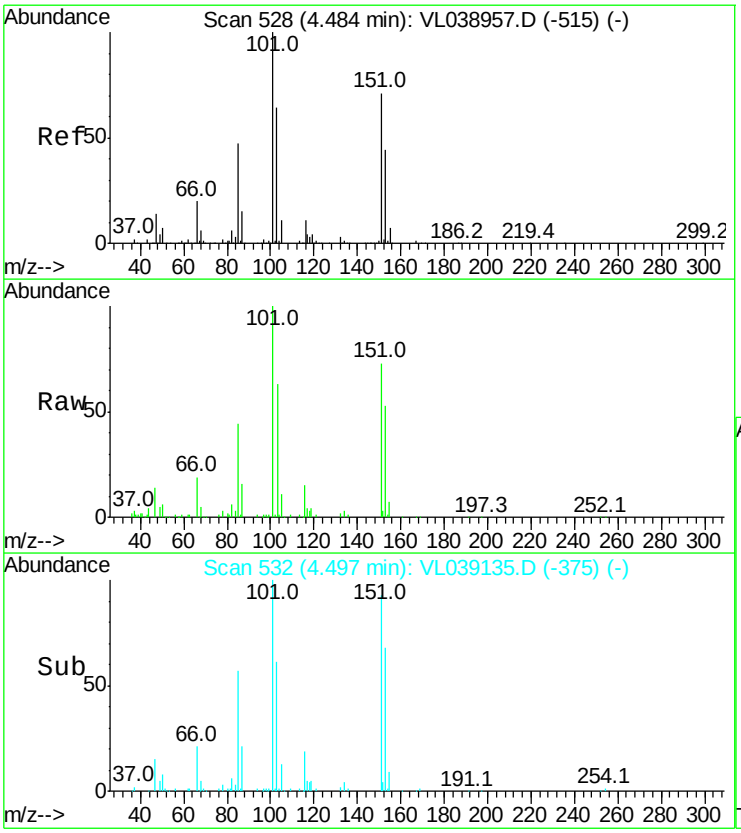
#11
Trichlorofluoromethane
Concen: 1.24 ppbv
RT: 3.96
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 227418

Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.7	77.5

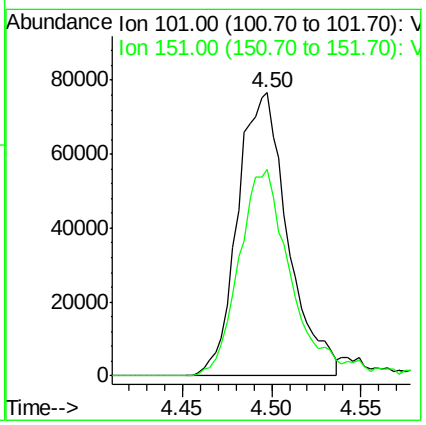


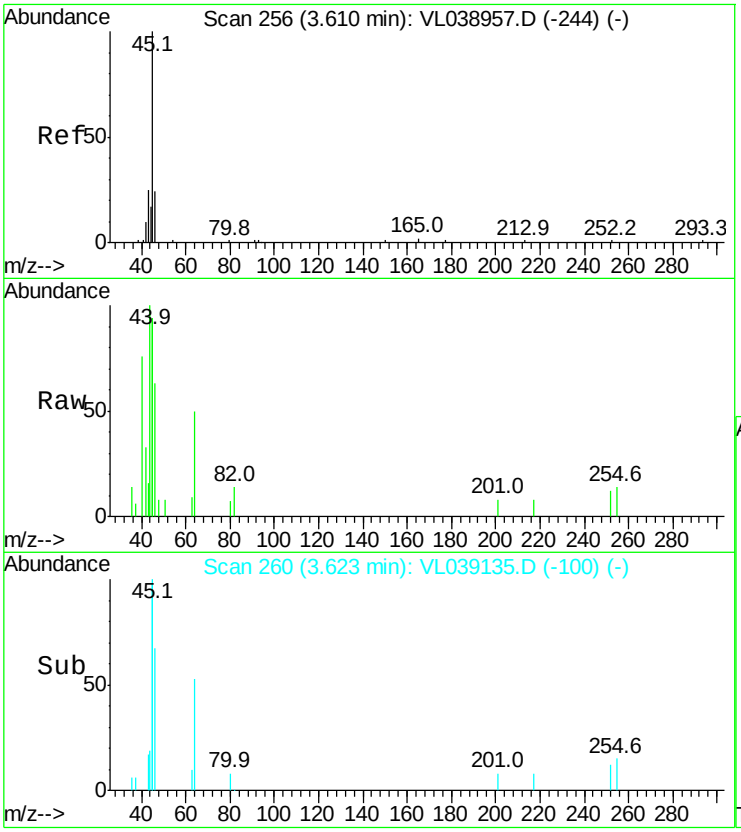


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.20 ppbv
RT: 4.50 min Scan# 532
Delta R.T. 0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion:101 Resp: 150560

Ion	Ratio	Lower	Upper
101	100		
151	77.8	59.4	89.0



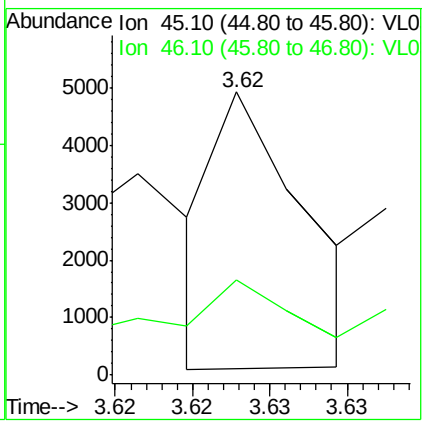


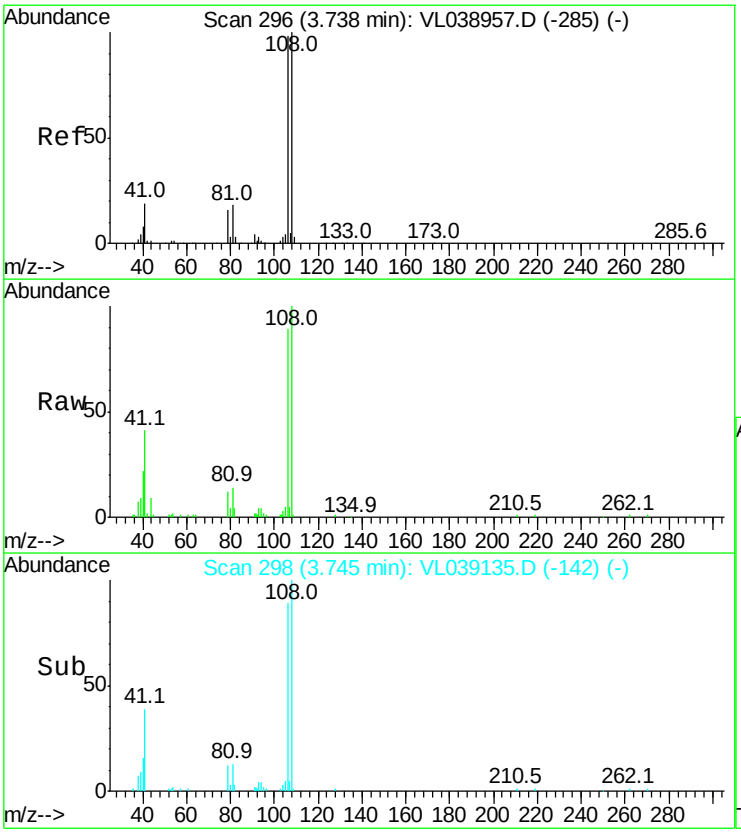
#13
Ethanol
Concen: 0.37 ppbv
RT: 3.62
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 1936

Ion	Ratio	Lower	Upper
45	100		
46	0.0	0.0	0.0

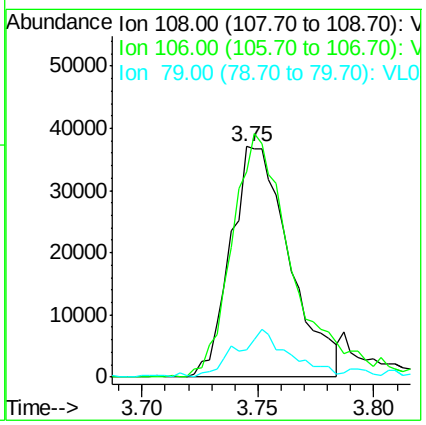


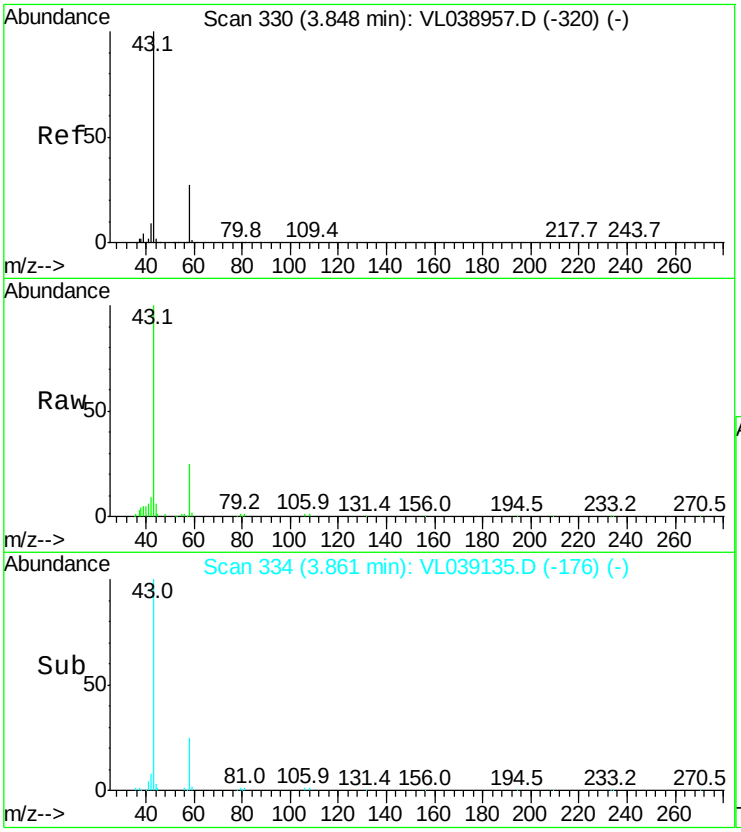


#14
Bromoethene
Concen: 1.26 ppbv
RT: 3.75 min Scan# 298
Delta R.T. 0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion:108 Resp: 65309

Ion	Ratio	Lower	Upper
108	100		
106	114.1	88.4	132.6
79	22.7	13.4	20.2#



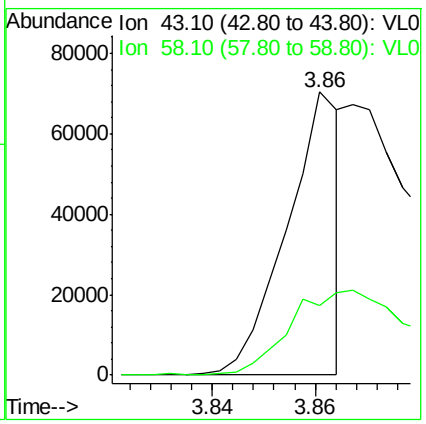


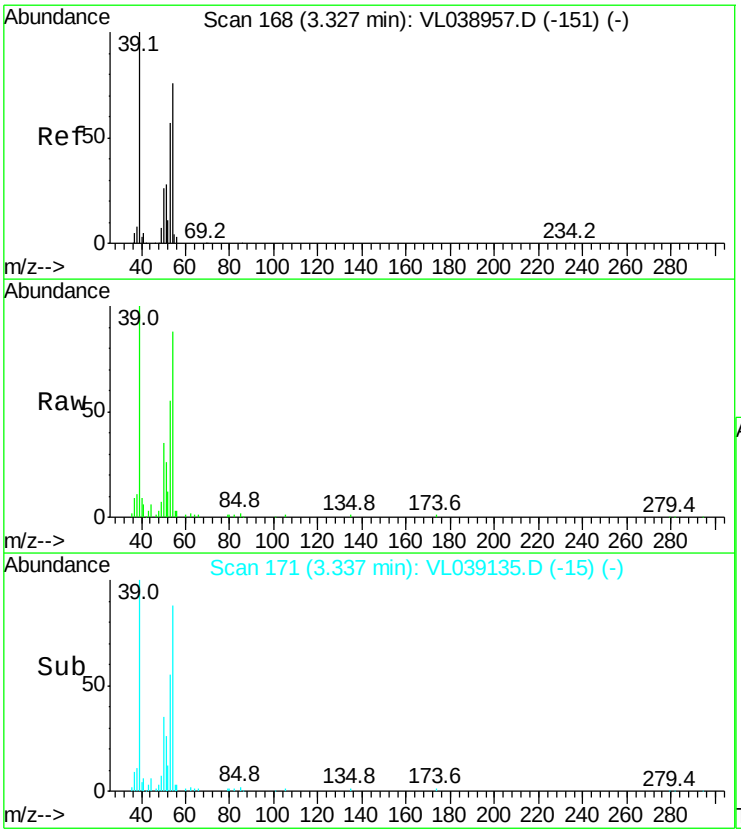
#15
Acetone
Concen: 0.40 ppbv
RT: 3.86
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 50689

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.5	33.7#

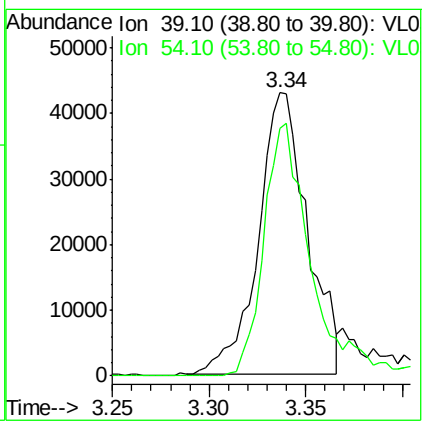


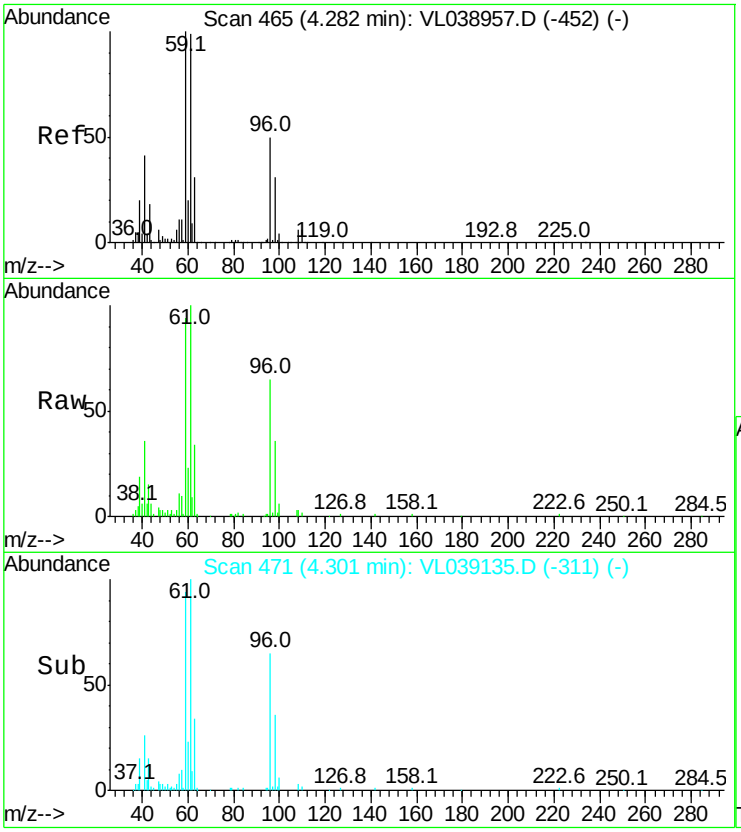


#16
1,3-Butadiene
Concen: 1.03 ppbv
RT: 3.34 min Scan# 171
Delta R.T. 0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion: 39 Resp: 76000

Ion	Ratio	Lower	Upper
39	100		
54	88.3	65.8	98.6



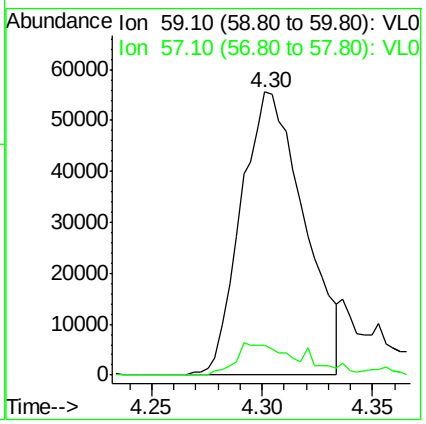


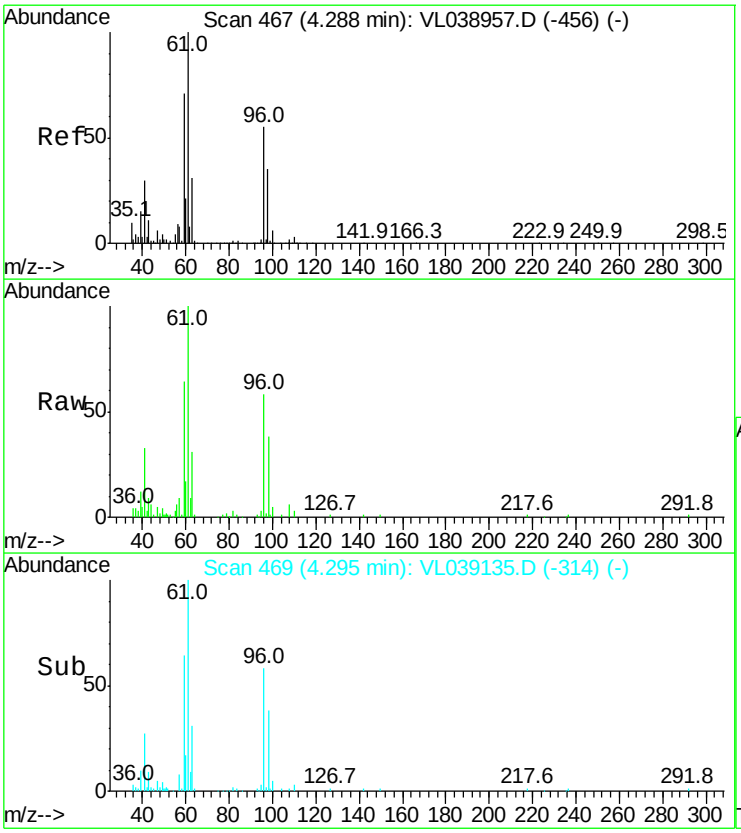
#17
tert-Butyl alcohol
Concen: 1.12 ppbv
RT: 4.30
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 110631

Ion	Ratio	Lower	Upper
59	100		
57	13.8	9.1	13.7#

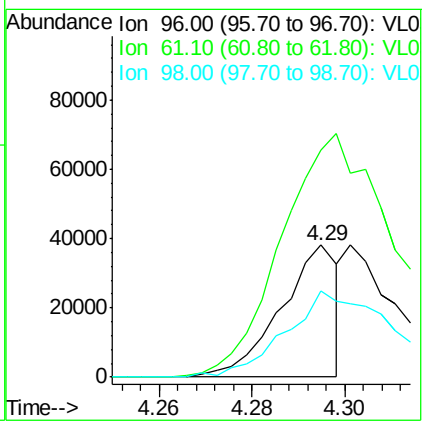


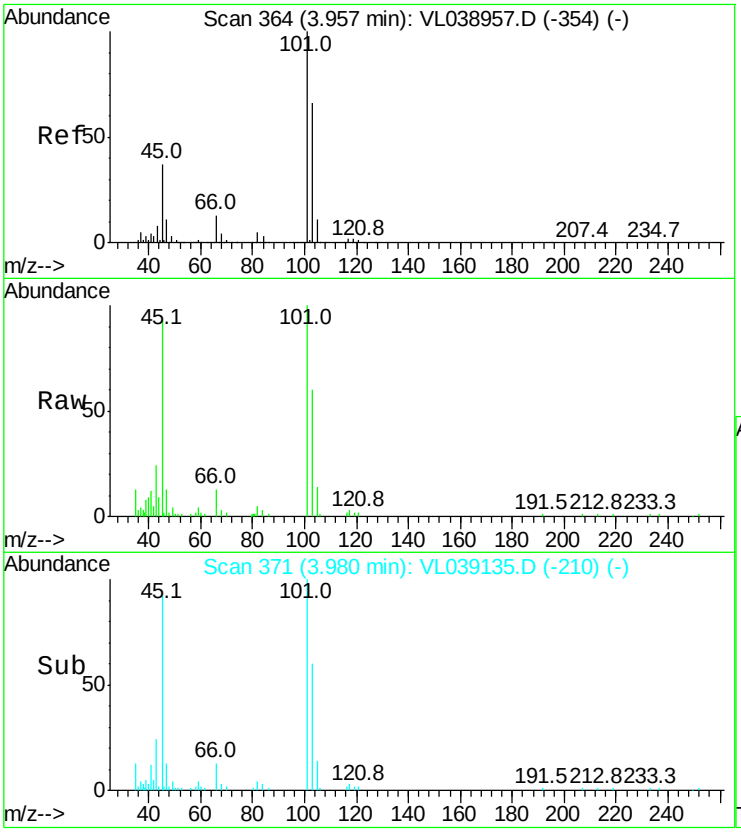


#18
1,1-Dichloroethene
Concen: 0.60 ppbv
RT: 4.29 min Scan# 469
Delta R.T. -0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion: 96 Resp: 32590

Ion	Ratio	Lower	Upper
96	100		
61	170.8	138.4	207.6
98	64.6	47.8	71.8



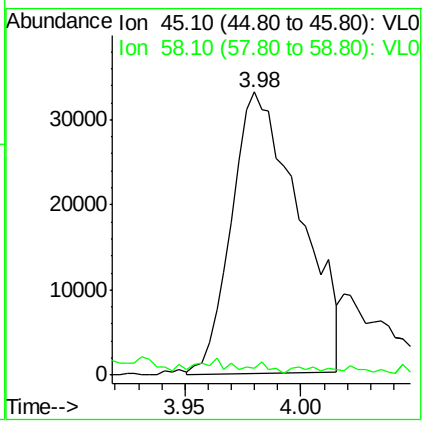


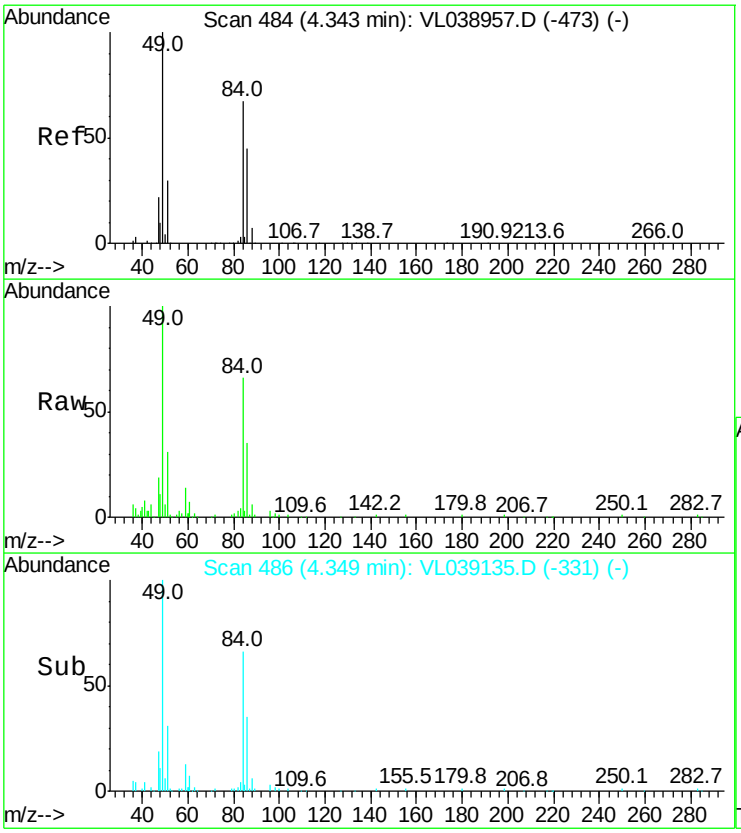
#19
Isopropyl Alcohol
Concen: 1.10 ppbv
RT: 3.98
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 67140

Ion	Ratio	Lower	Upper
45	100		
58	5.1	1.8	2.8#

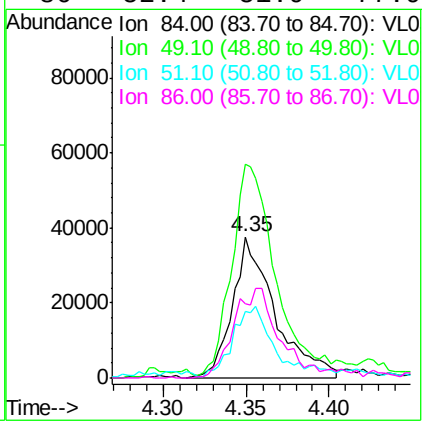


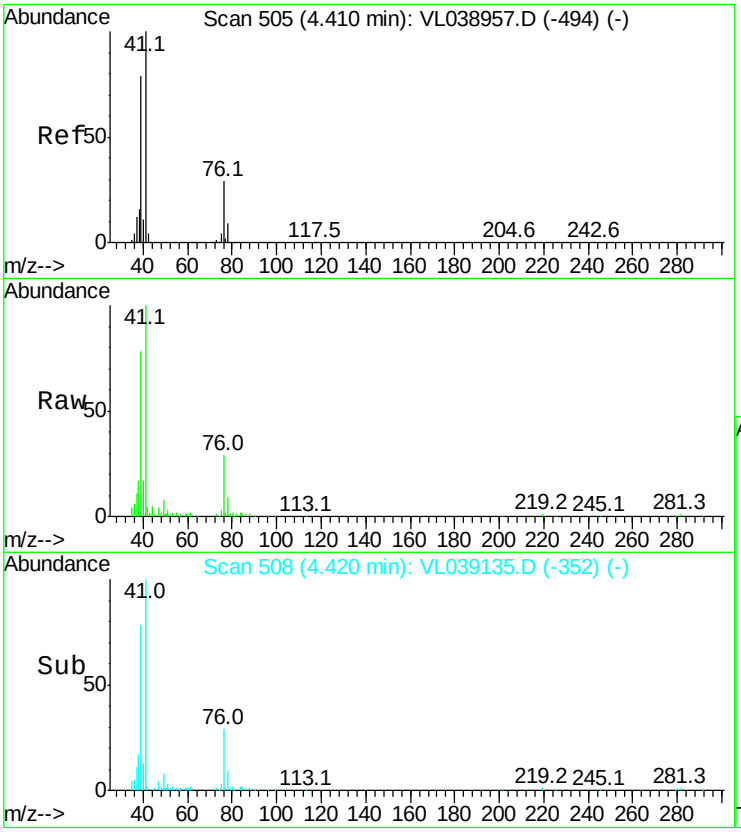


#20
Methylene Chloride
Concen: 1.39 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion: 84 Resp: 67130

Ion	Ratio	Lower	Upper
84	100		
49	145.0	111.1	166.7
51	43.7	35.3	52.9
86	52.4	51.9	77.9



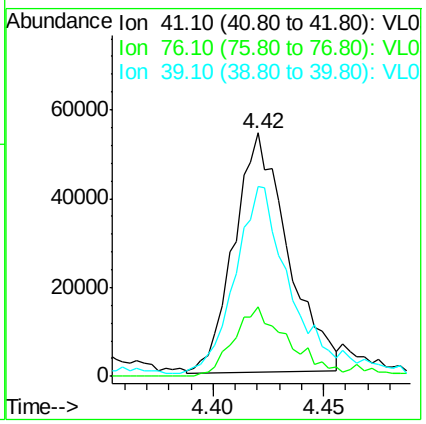


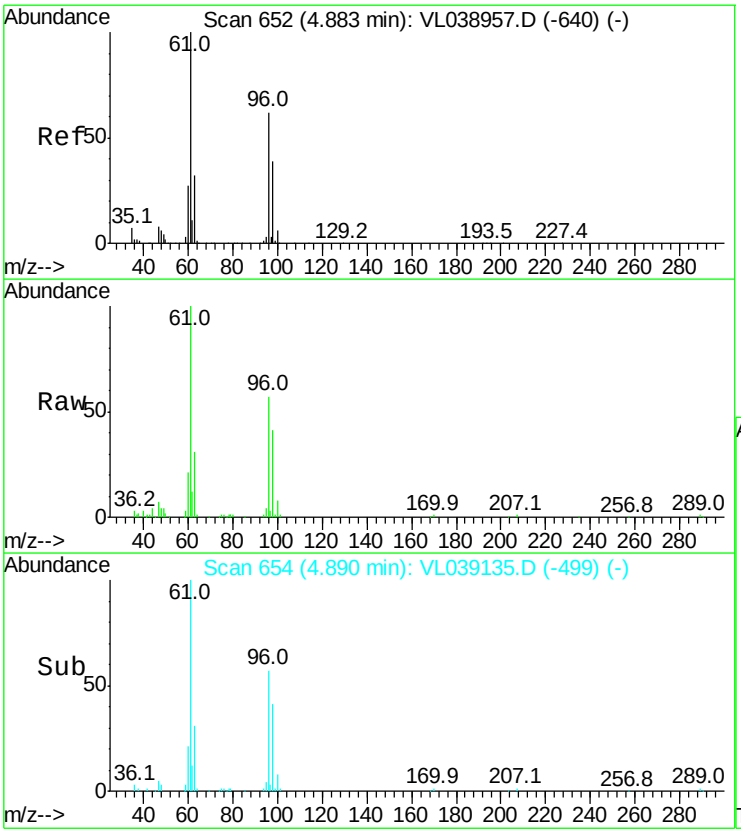
#21
Allyl Chloride
Concen: 1.05 ppbv
RT: 4.42
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 91332

Ion	Ratio	Lower	Upper
41	100		
76	32.2	24.2	36.2
39	84.7	62.2	93.2

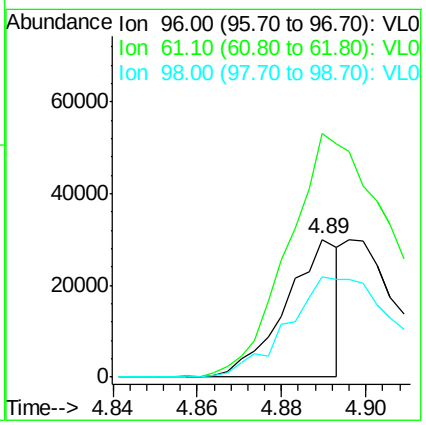


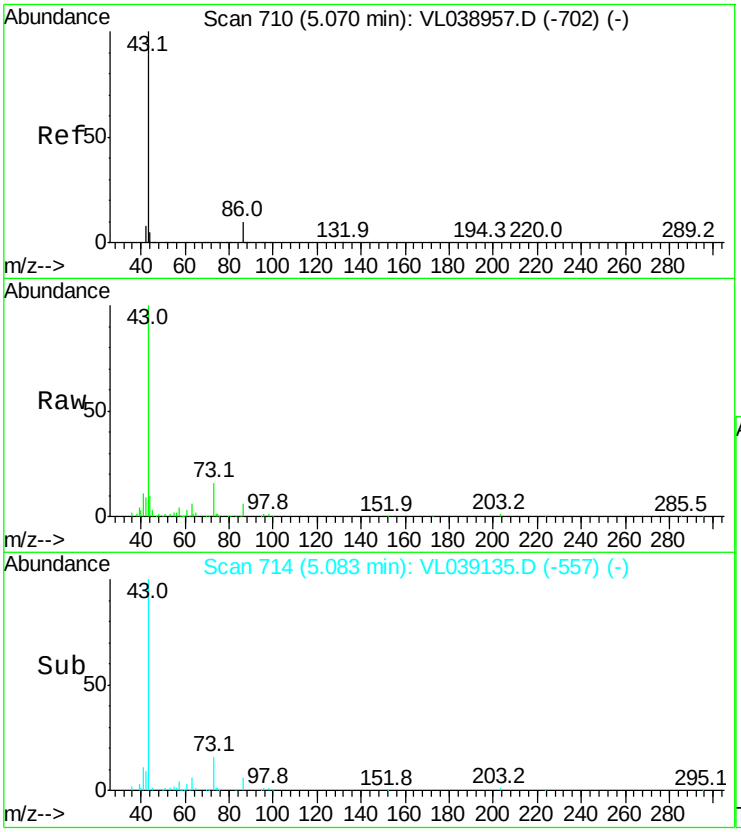


#22
trans-1,2-Dichloroethene
Concen: 0.45 ppbv
RT: 4.89 min Scan# 654
Delta R.T. -0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion: 96 Resp: 26348

Ion	Ratio	Lower	Upper
96	100		
61	175.7	126.6	190.0
98	72.8	52.5	78.7



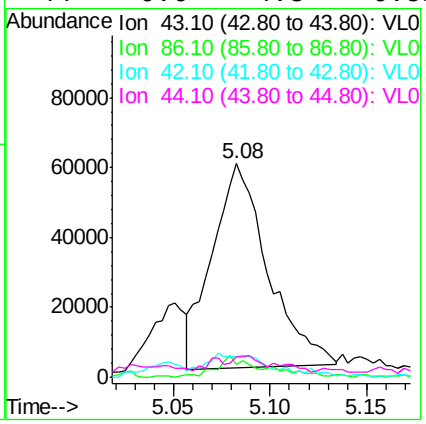


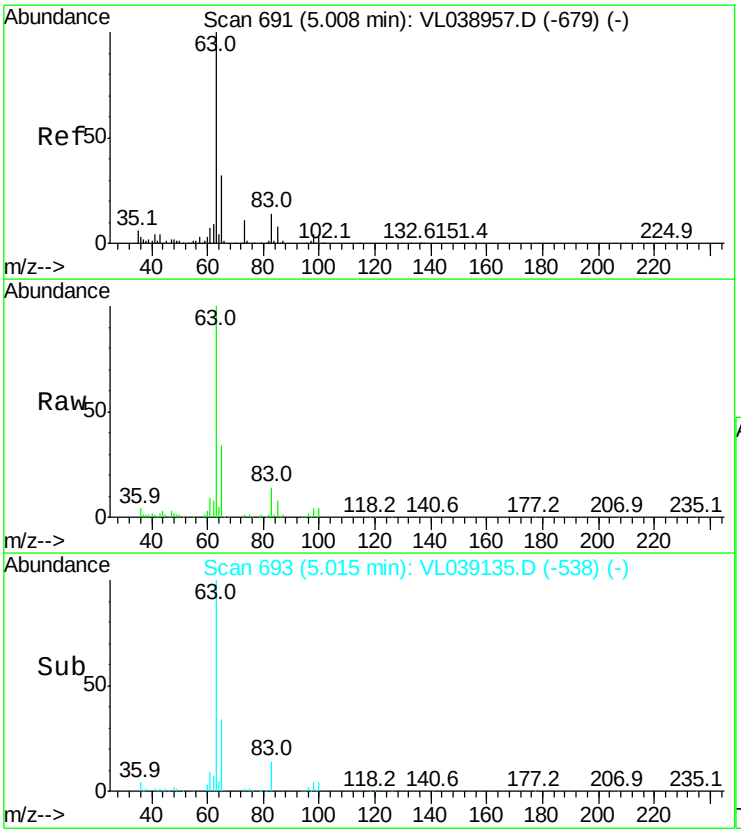
#23
Vinyl Acetate
Concen: 1.15 ppbv
RT: 5.08
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 116763

Ion	Ratio	Lower	Upper
43	100		
86	5.4	6.0	9.0#
42	9.2	8.2	12.4
44	6.6	4.3	6.5#

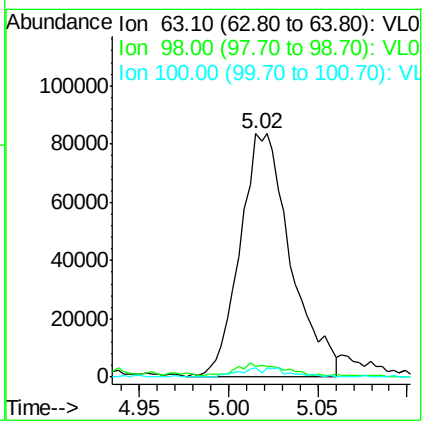


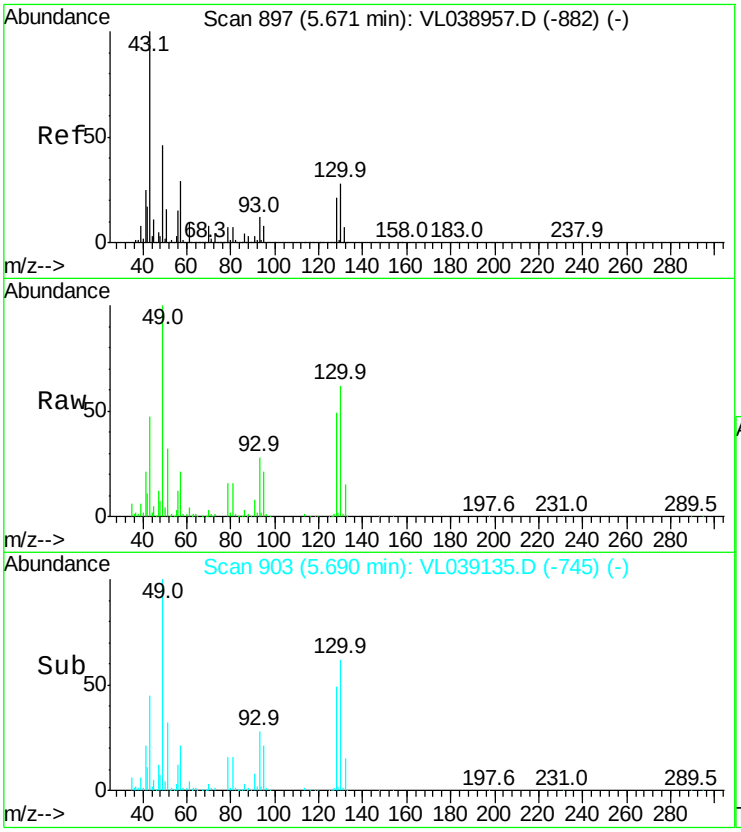


#24
1,1-Dichloroethane
Concen: 1.42 ppbv
RT: 5.02 min Scan# 693
Delta R.T. -0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion: 63 Resp: 166343

Ion	Ratio	Lower	Upper
63	100		
98	3.0	2.1	6.2
100	3.8	1.5	4.5



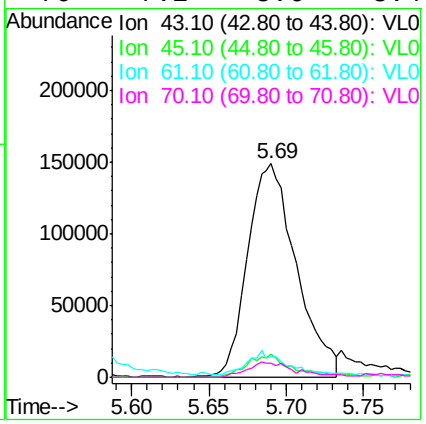


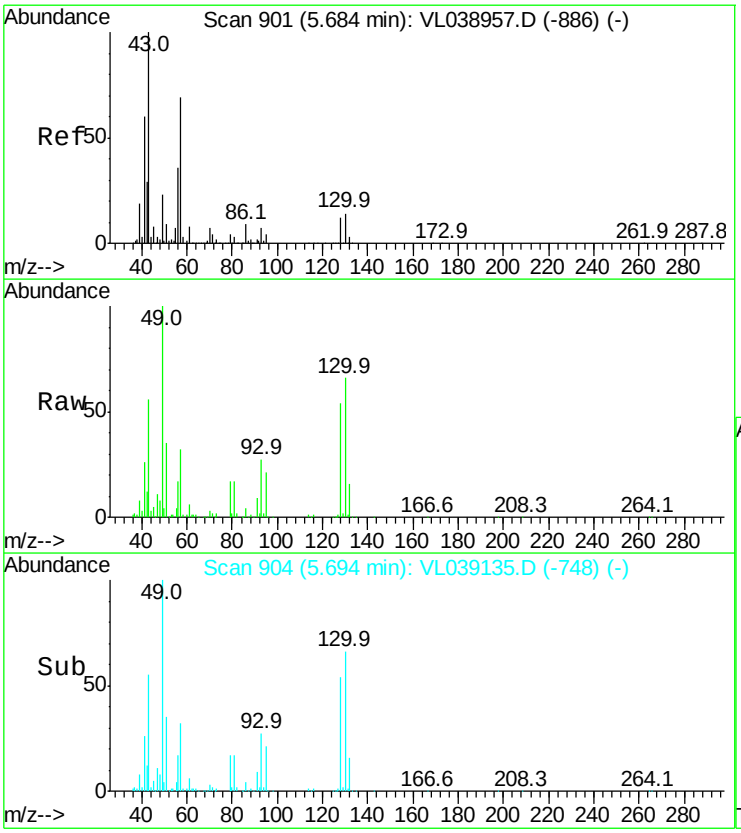
#25
Ethyl Acetate
Concen: 1.06 ppbv
RT: 5.69
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 324773

Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.2	12.2
61	13.4	8.4	12.6#
70	7.2	5.6	8.4

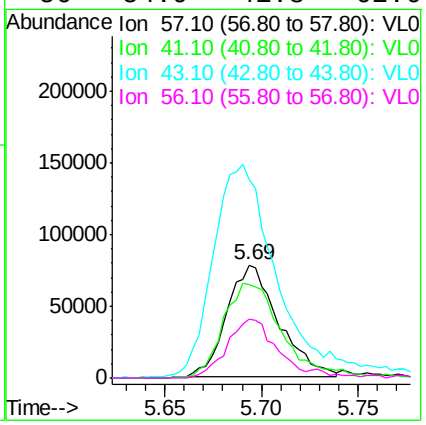


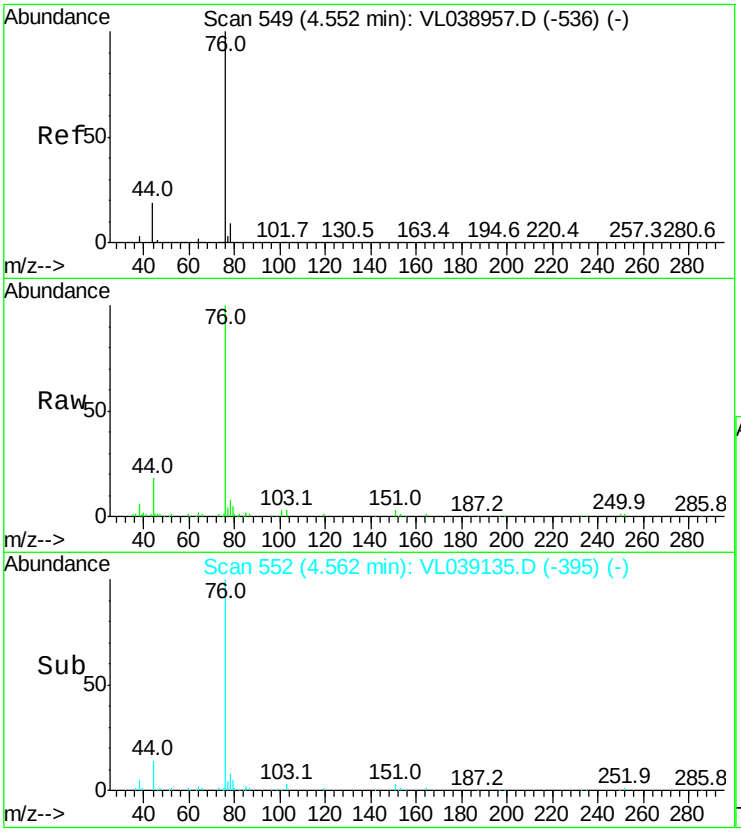


#26
Hexane
Concen: 1.06 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion: 57 Resp: 144459

Ion	Ratio	Lower	Upper
57	100		
41	100.4	72.4	108.6
43	249.5	187.0	280.6
56	54.9	41.8	62.6



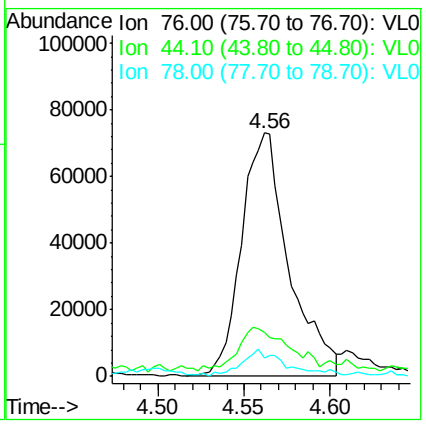


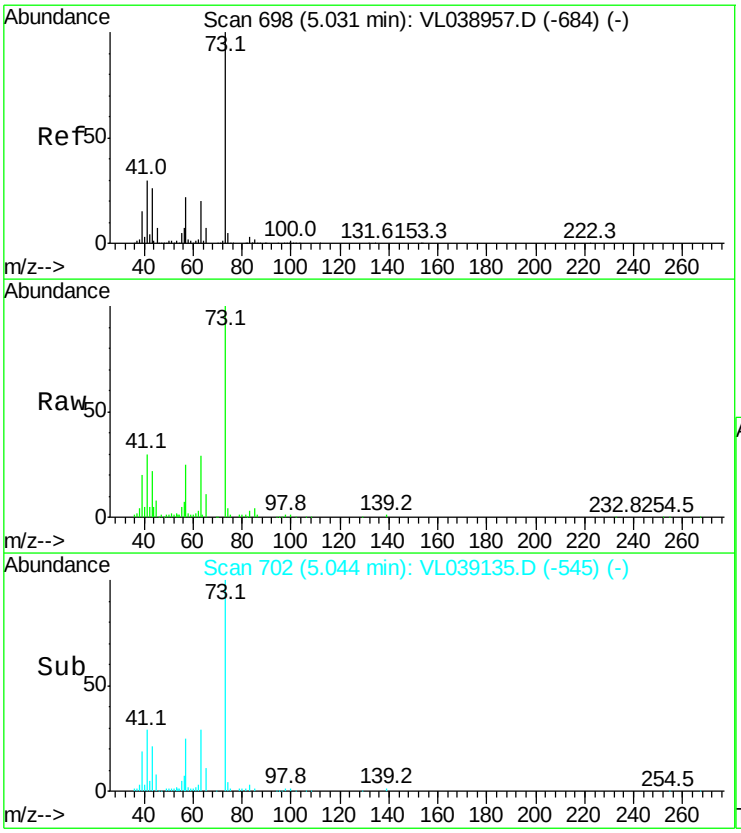
#27
Carbon Disulfide
Concen: 1.08 ppbv
RT: 4.56
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 139380

Ion	Ratio	Lower	Upper
76	100		
44	19.3	14.4	21.6
78	10.4	7.7	11.5

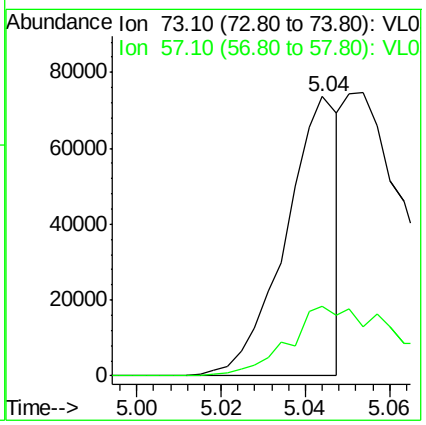


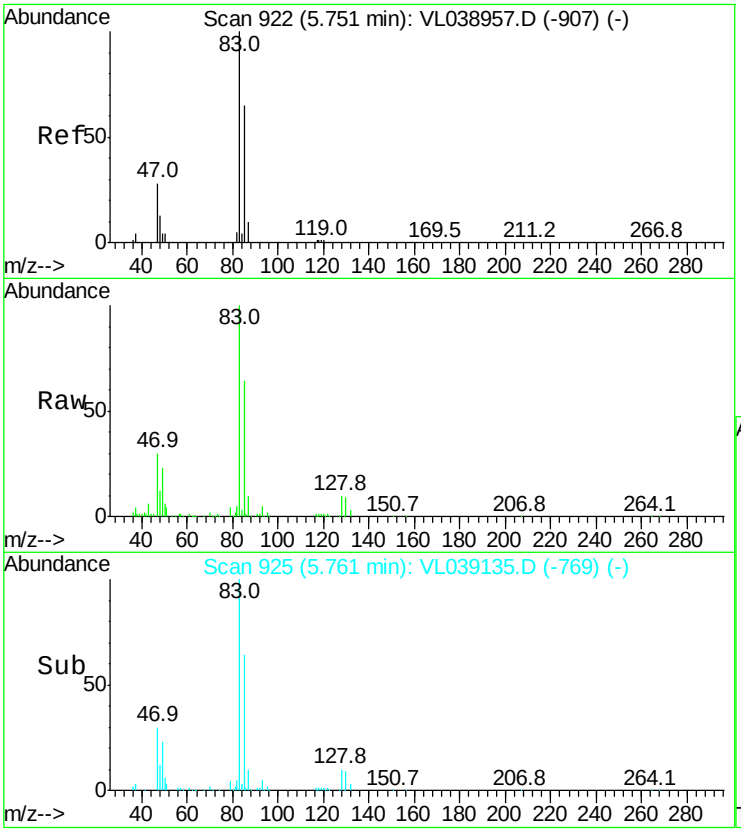


#28
Methyl tert-Butyl Ether
Concen: 0.62 ppbv
RT: 5.04 min Scan# 702
Delta R.T. 0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion: 73 Resp: 64543

Ion	Ratio	Lower	Upper
73	100		
57	59.9	18.6	27.8#



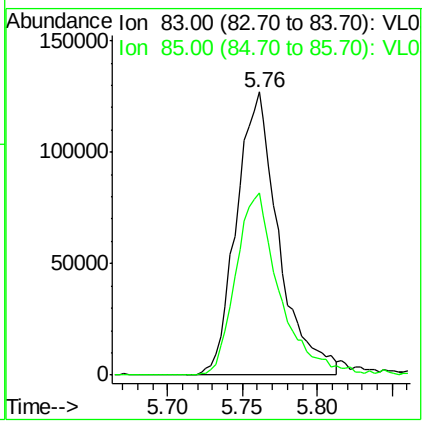


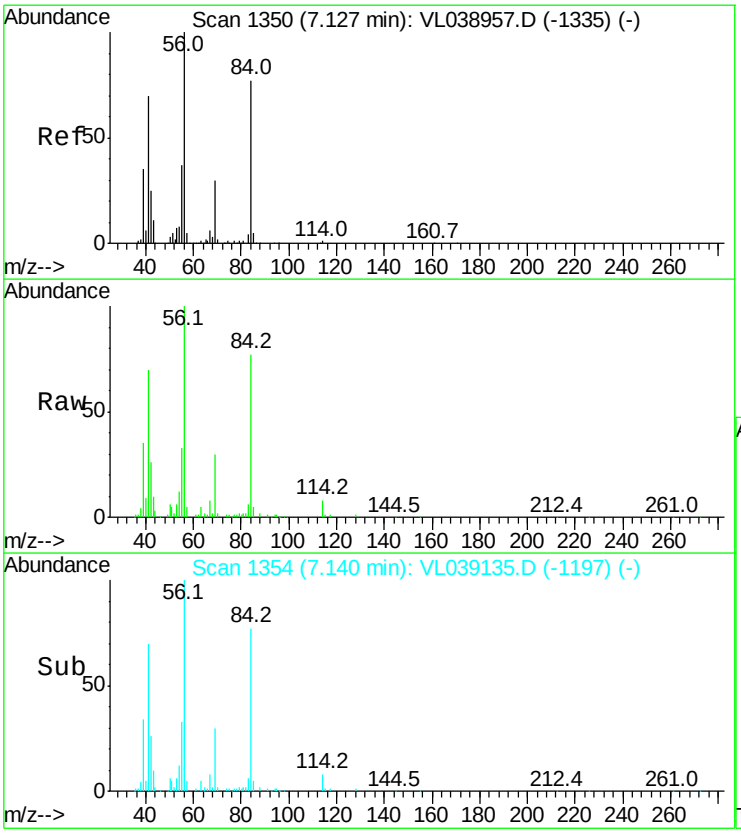
#29
Chloroform
Concen: 1.14 ppbv
RT: 5.76
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 250389

Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.4	78.6

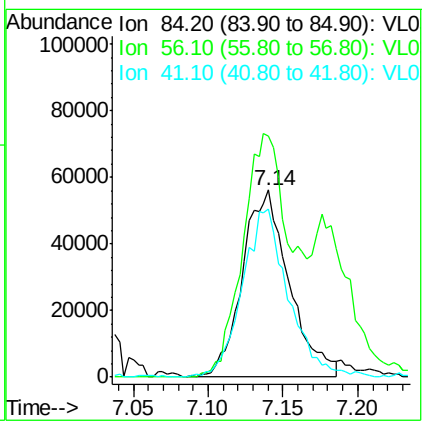


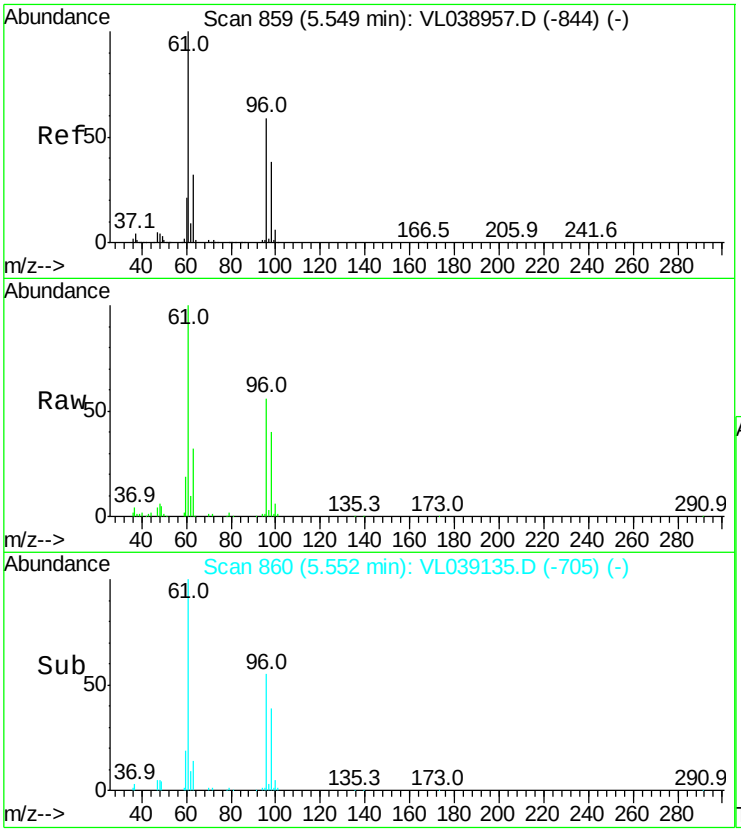


#30
Cyclohexane
Concen: 1.07 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion: 84 Resp: 122101

Ion	Ratio	Lower	Upper
84	100		
56	204.4	110.6	165.8#
41	89.0	68.9	103.3



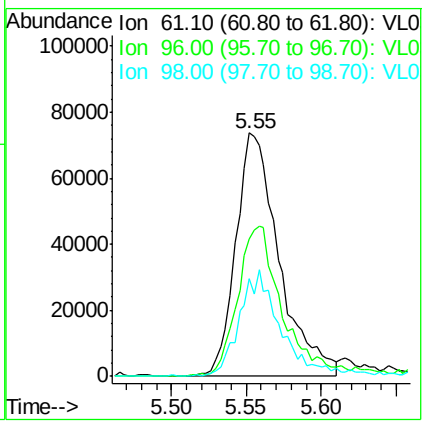


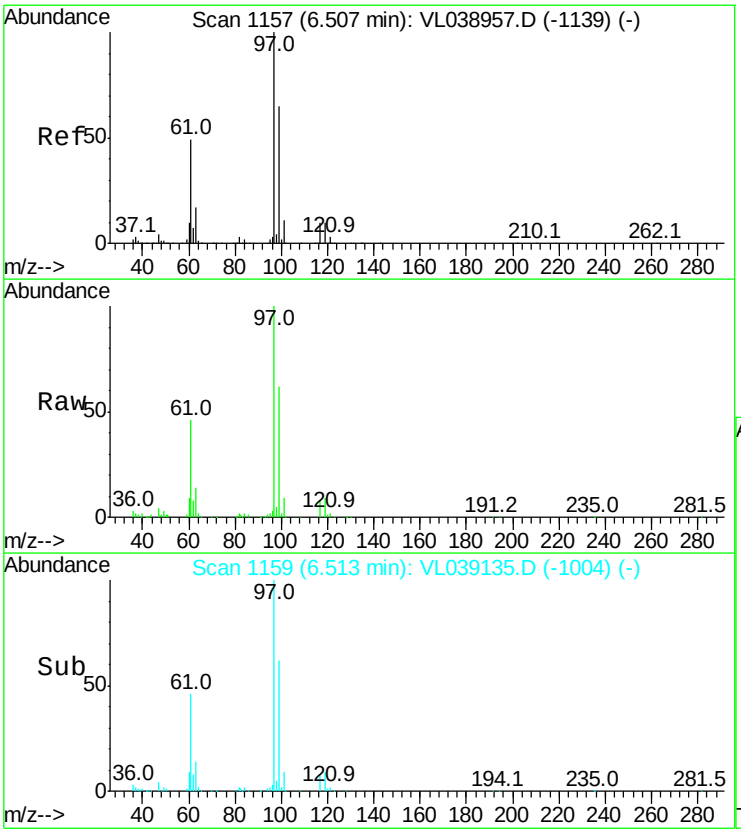
#31
cis-1,2-Dichloroethene
Concen: 1.07 ppbv
RT: 5.55
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 148854

Ion	Ratio	Lower	Upper
61	100		
96	56.1	49.9	74.9
98	39.6	32.0	48.0

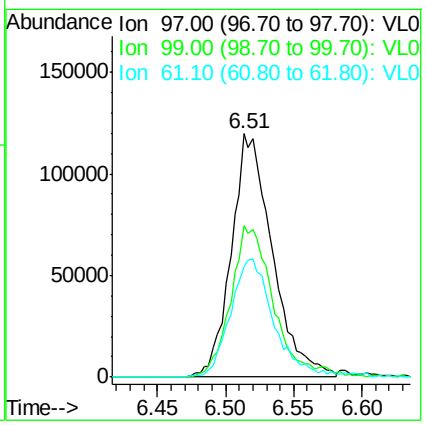


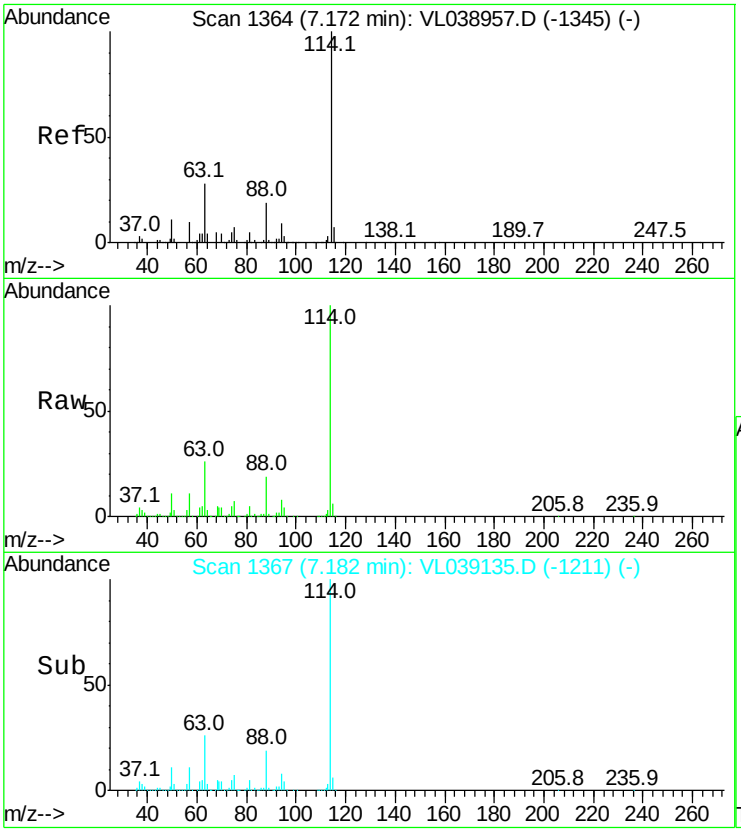


#32
1,1,1-Trichloroethane
Concen: 1.13 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion: 97 Resp: 249751

Ion	Ratio	Lower	Upper
97	100		
99	65.6	52.1	78.1
61	51.1	40.0	60.0



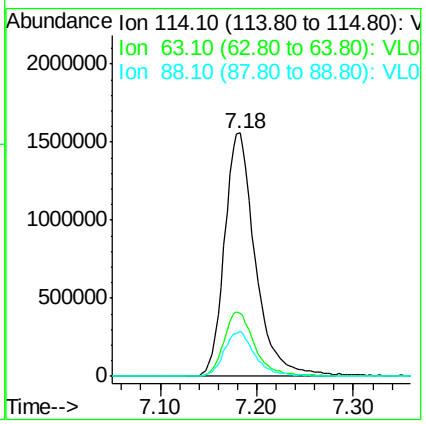


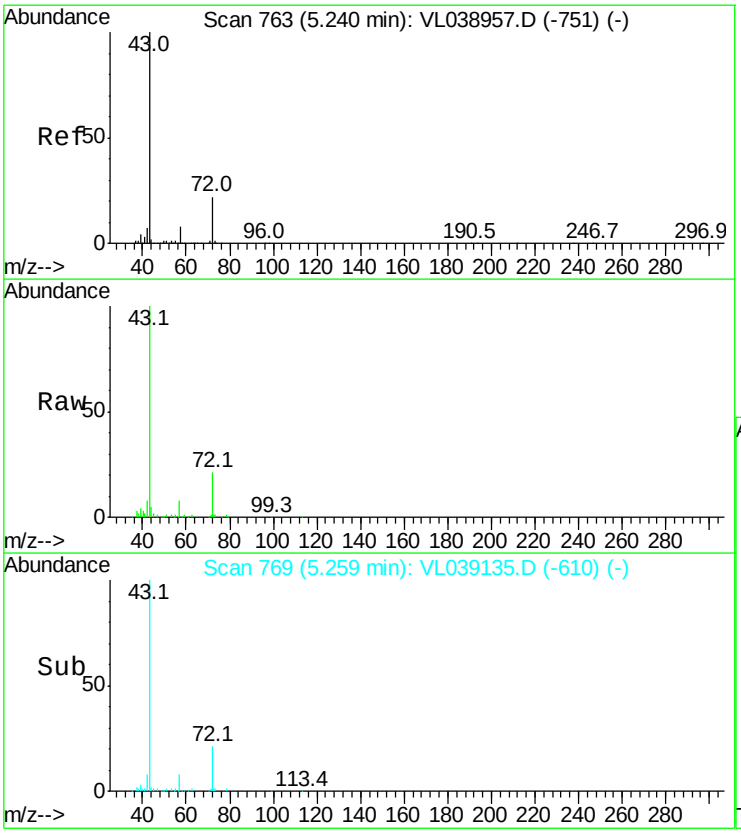
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.18
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 3449010

Ion	Ratio	Lower	Upper
114	100		
63	27.0	21.7	32.5
88	18.6	14.8	22.2

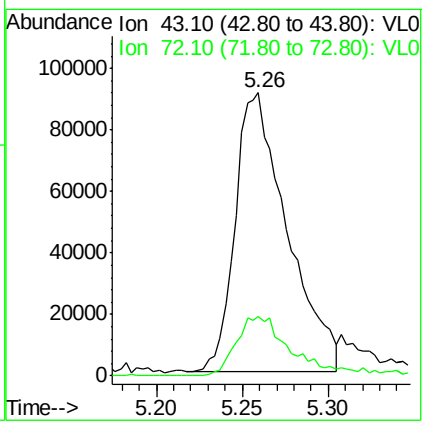


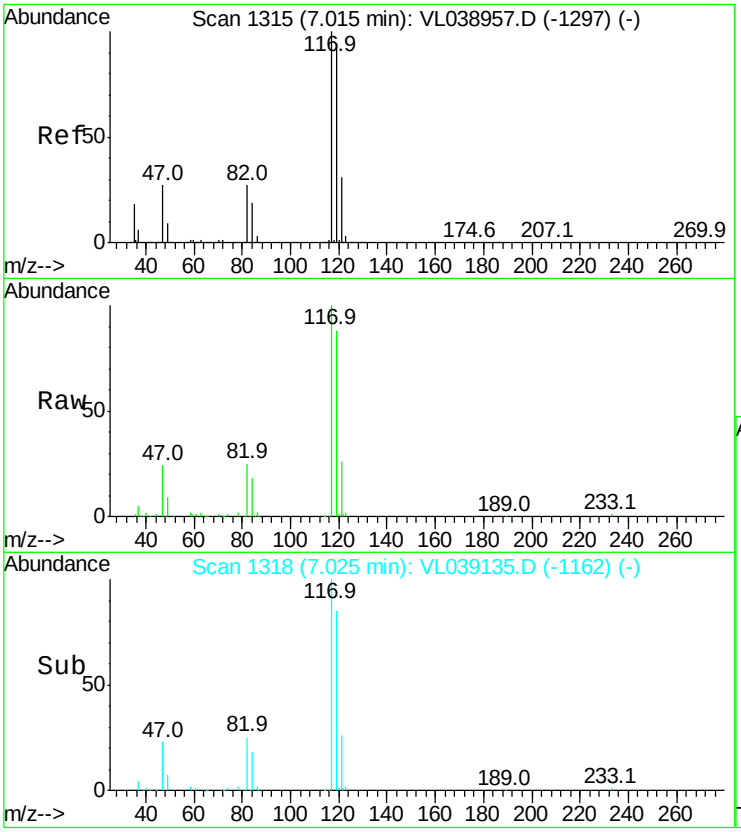


#34
2-Butanone
Concen: 1.09 ppbv
RT: 5.26 min Scan# 769
Delta R.T. 0.01 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion: 43 Resp: 191486

Ion	Ratio	Lower	Upper
43	100		
72	24.7	18.2	27.2



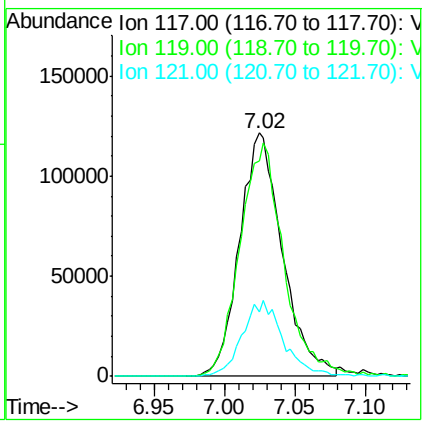


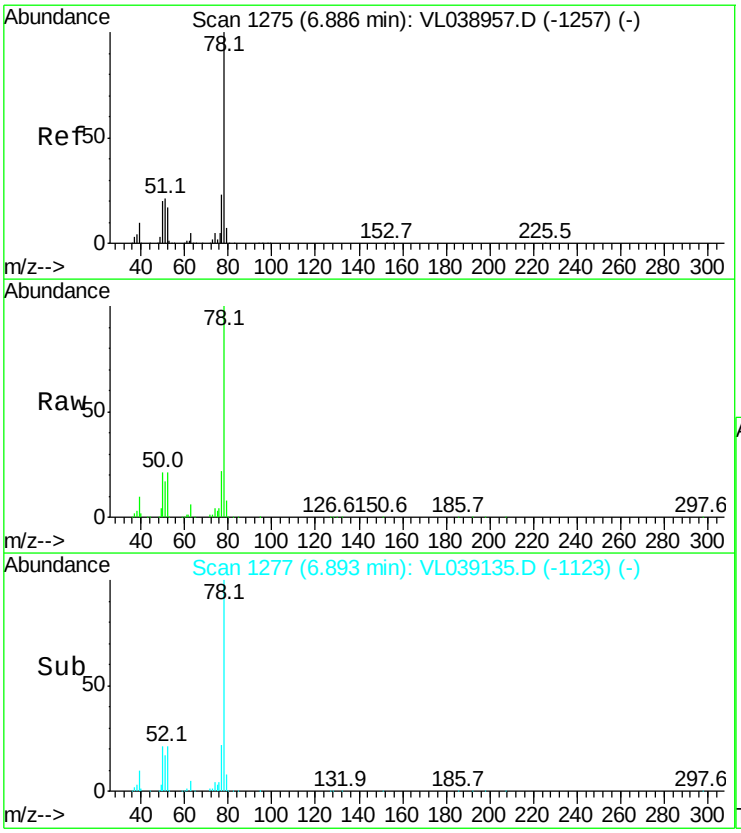
#35
Carbon Tetrachloride
Concen: 1.14 ppbv
RT: 7.02
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 259615

Ion	Ratio	Lower	Upper
117	100		
119	88.4	78.6	118.0
121	26.4	25.4	38.0

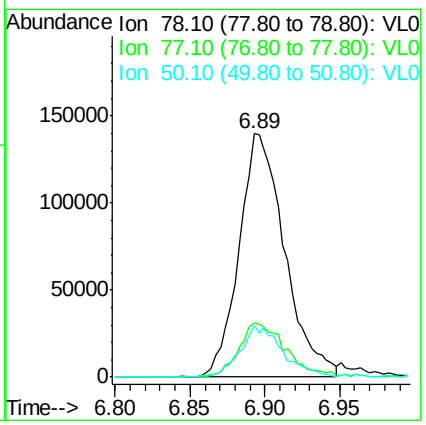


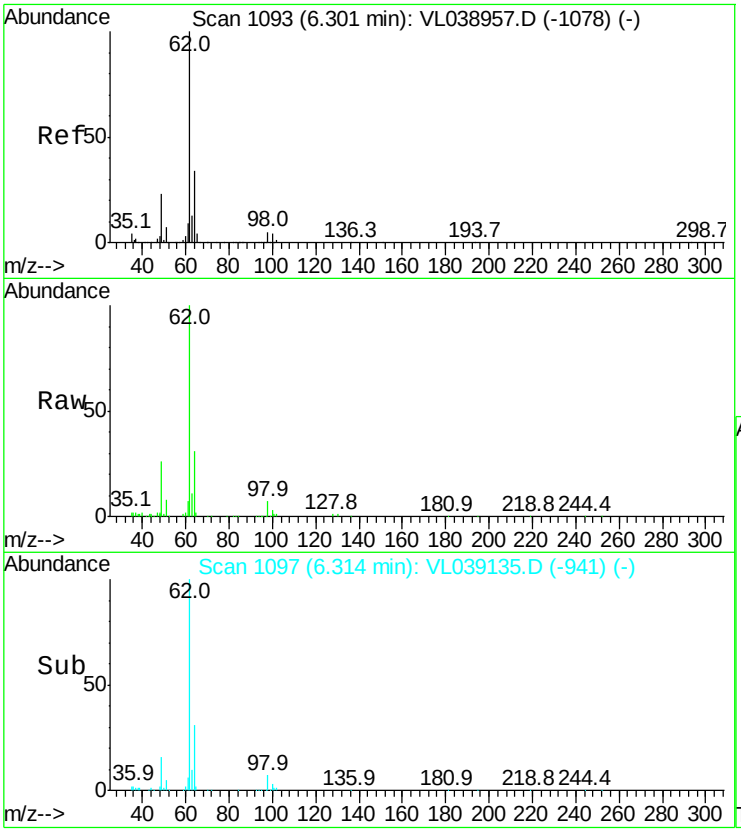


#36
Benzene
Concen: 1.00 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. -0.01 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion: 78 Resp: 296245

Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.6	27.8
50	21.1	15.8	23.8



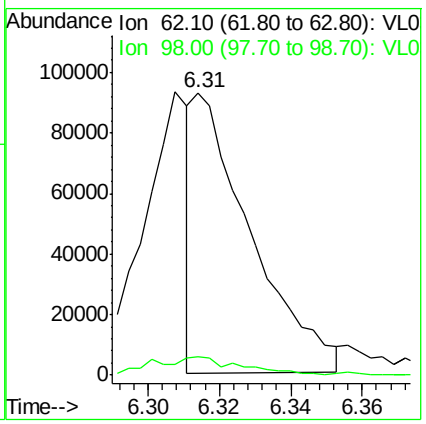


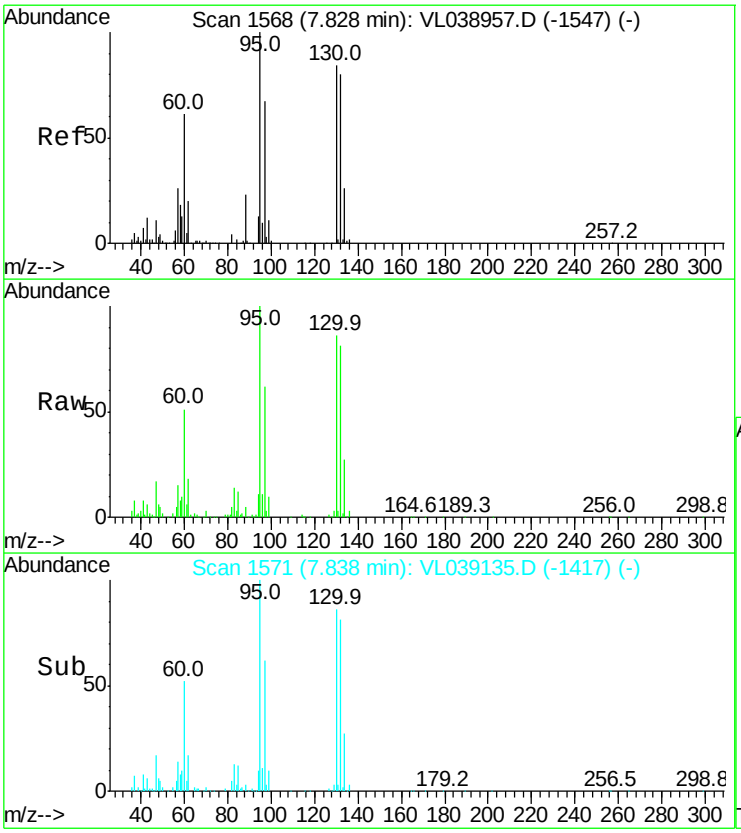
#37
1,2-Dichloroethane
Concen: 0.56 ppbv
RT: 6.31
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 102511

Ion	Ratio	Lower	Upper
62	100		
98	10.6	4.3	6.5#

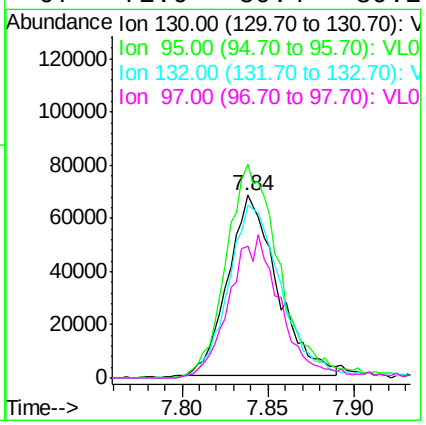


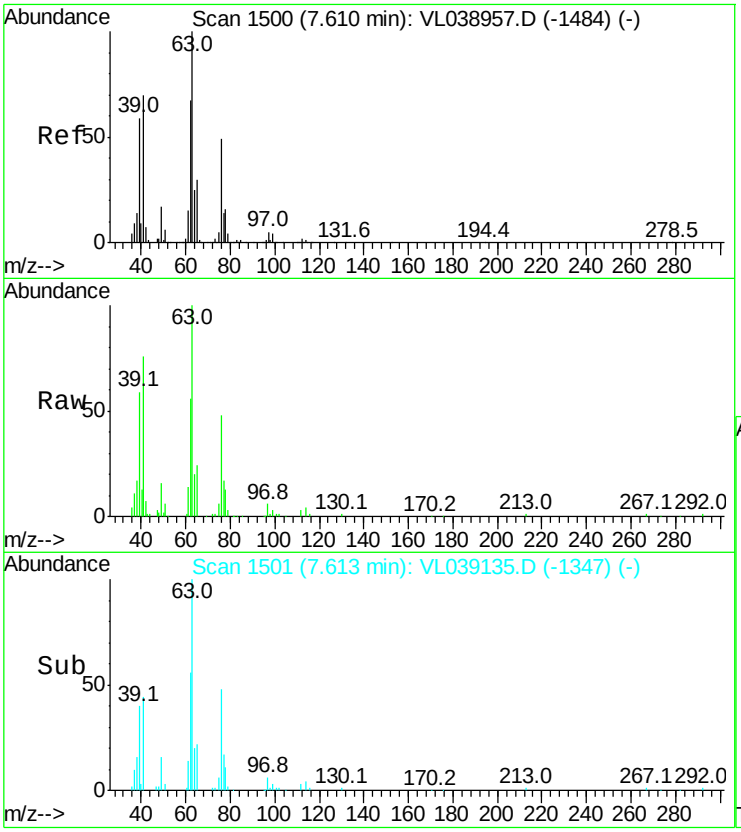


#38
Trichloroethene
Concen: 1.03 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion:130 Resp: 134793

Ion	Ratio	Lower	Upper
130	100		
95	116.2	93.3	139.9
132	94.2	79.0	118.4
97	72.0	59.4	89.2



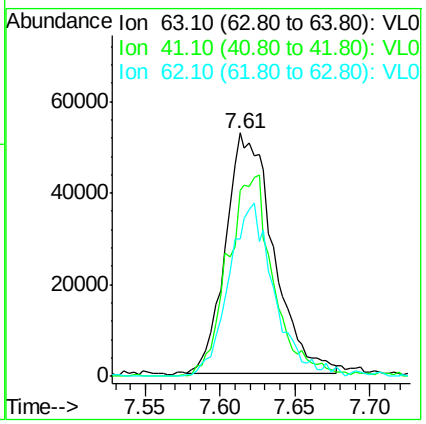


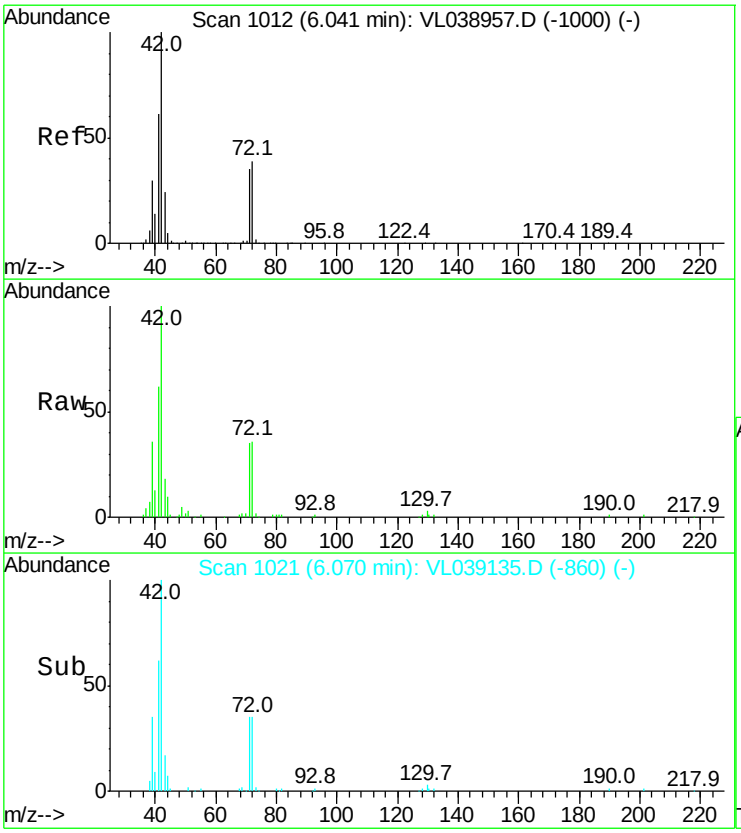
#39
1,2-Dichloropropane
Concen: 1.03 ppbv
RT: 7.61
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 117769

Ion	Ratio	Lower	Upper
63	100		
41	76.7	60.8	91.2
62	56.2	52.9	79.3

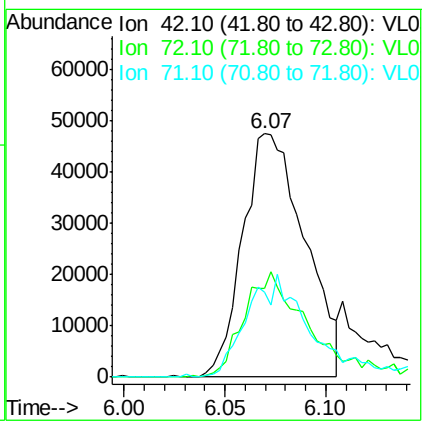


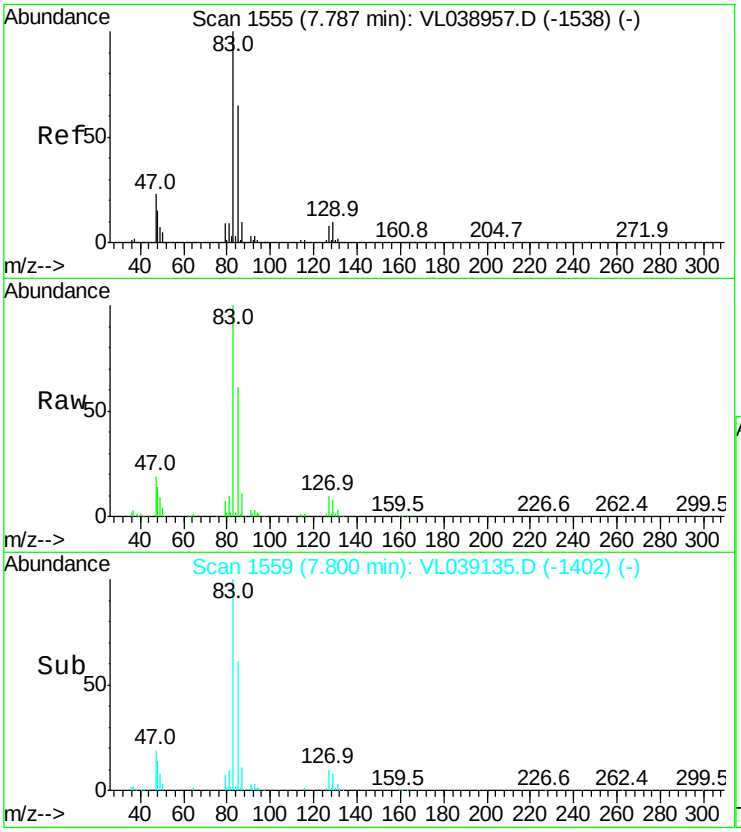


#41
Tetrahydrofuran
Concen: 0.86 ppbv
RT: 6.07 min Scan# 1021
Delta R.T. 0.02 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion: 42 Resp: 101629

Ion	Ratio	Lower	Upper
42	100		
72	47.3	32.0	48.0
71	45.7	31.1	46.7



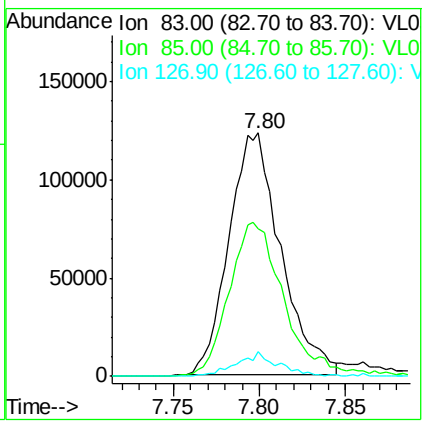


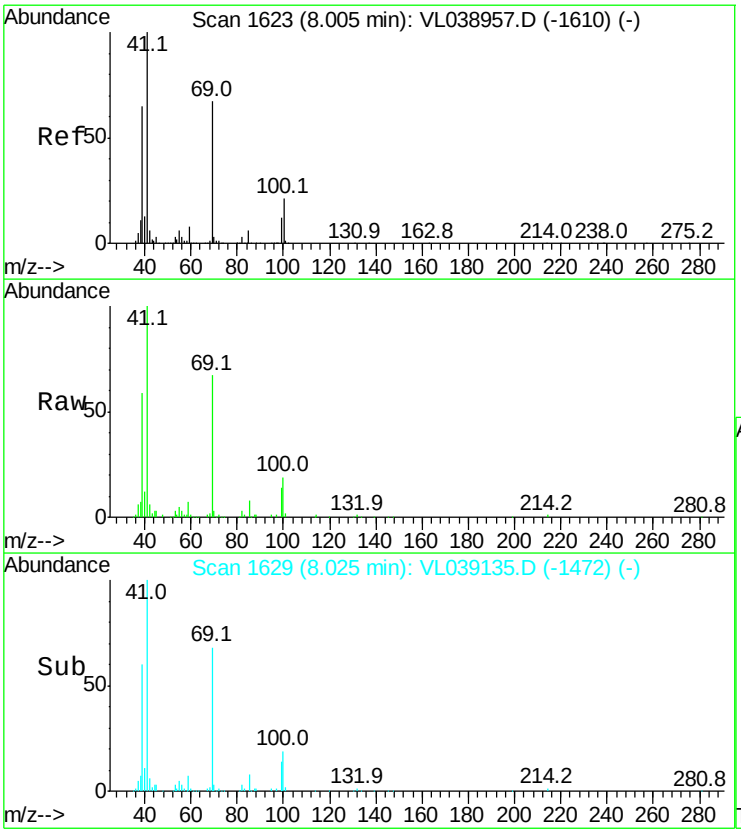
#42
Bromodichloromethane
Concen: 1.03 ppbv
RT: 7.80
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 256860

Ion	Ratio	Lower	Upper
83	100		
85	60.6	50.2	75.4
127	9.8	6.6	9.8

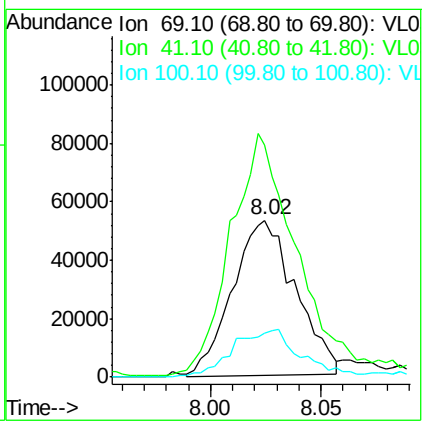


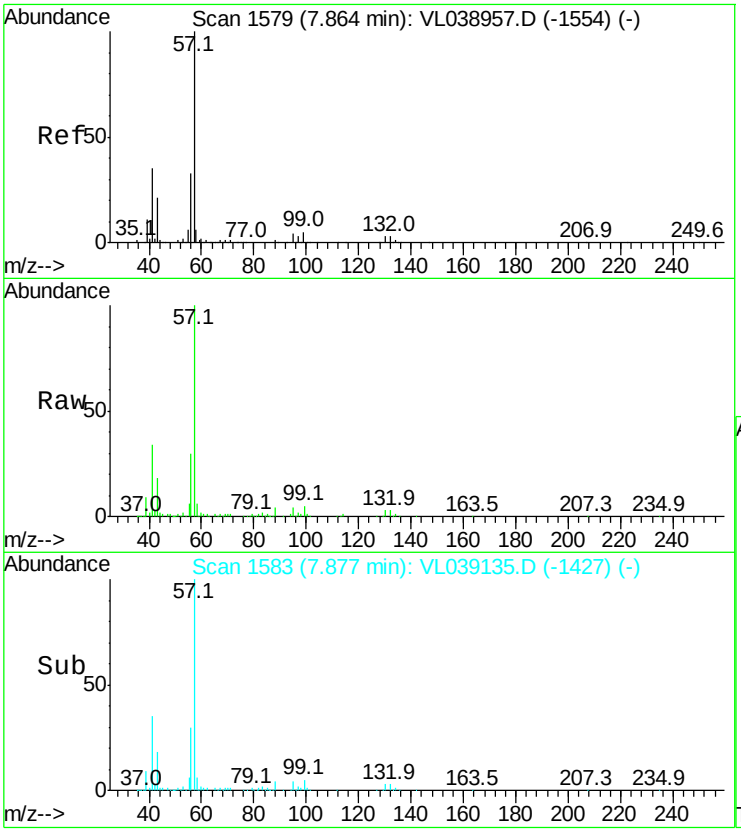


#43
Methyl Methacrylate
Concen: 0.88 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion: 69 Resp: 105881

Ion	Ratio	Lower	Upper
69	100		
41	167.5	121.9	182.9
100	34.1	24.1	36.1



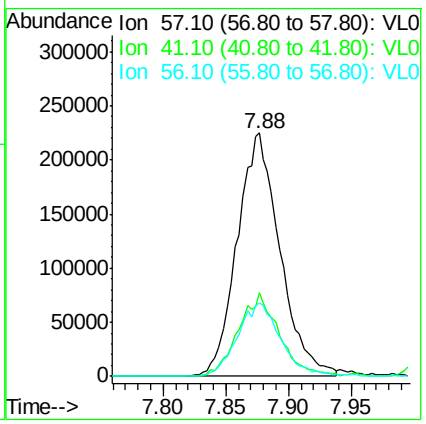


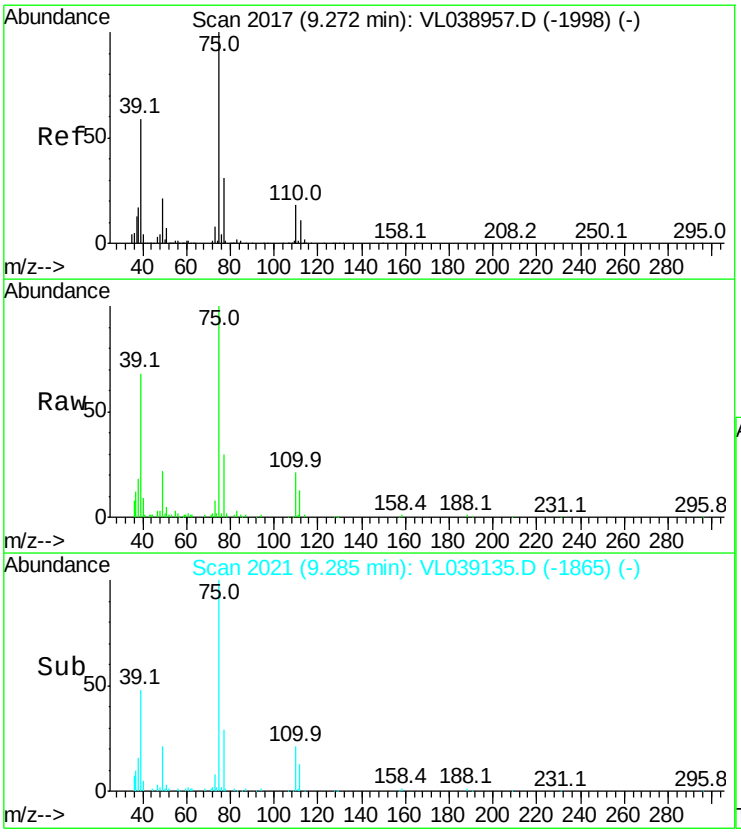
#44
2,2,4-Trimethylpentane
Concen: 1.03 ppbv
RT: 7.88
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 57 Resp: 531657

Ion	Ratio	Lower	Upper
57	100		
41	33.3	26.2	39.4
56	30.9	24.7	37.1

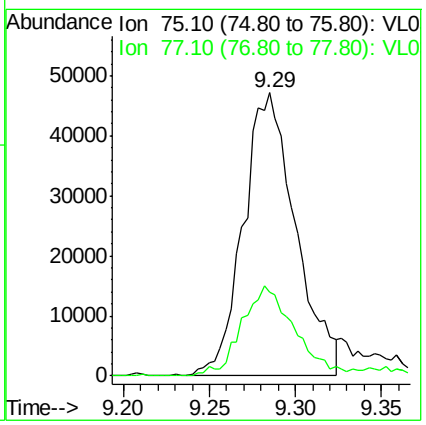


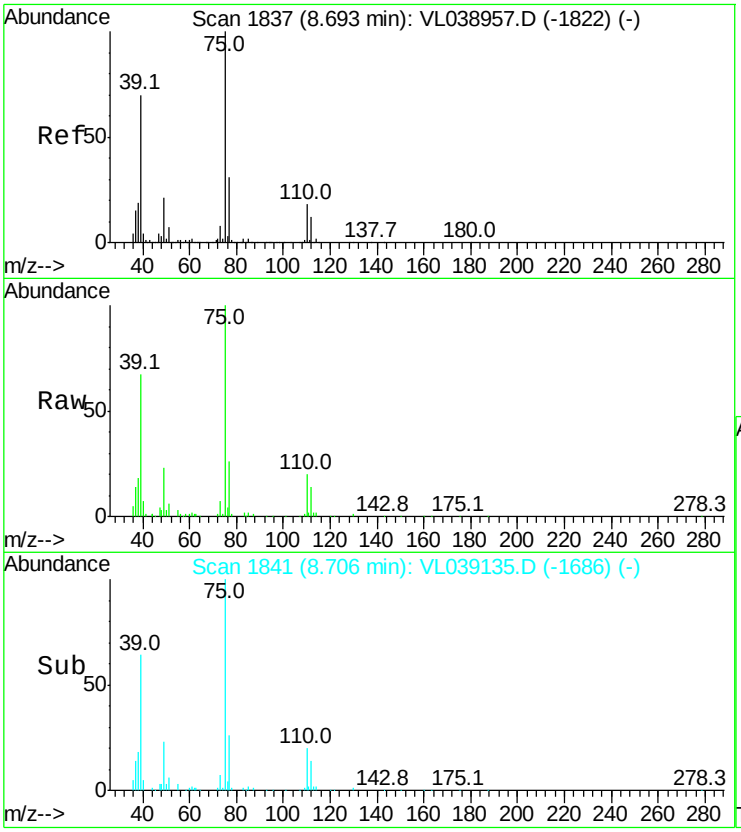


#45
t-1,3-Dichloropropene
Concen: 0.86 ppbv
RT: 9.29 min Scan# 2021
Delta R.T. 0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion: 75 Resp: 100144

Ion	Ratio	Lower	Upper
75	100		
77	29.7	24.4	36.6



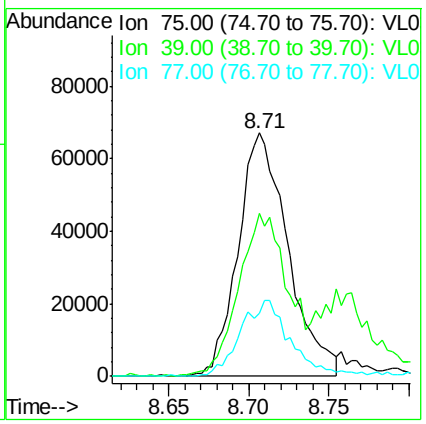


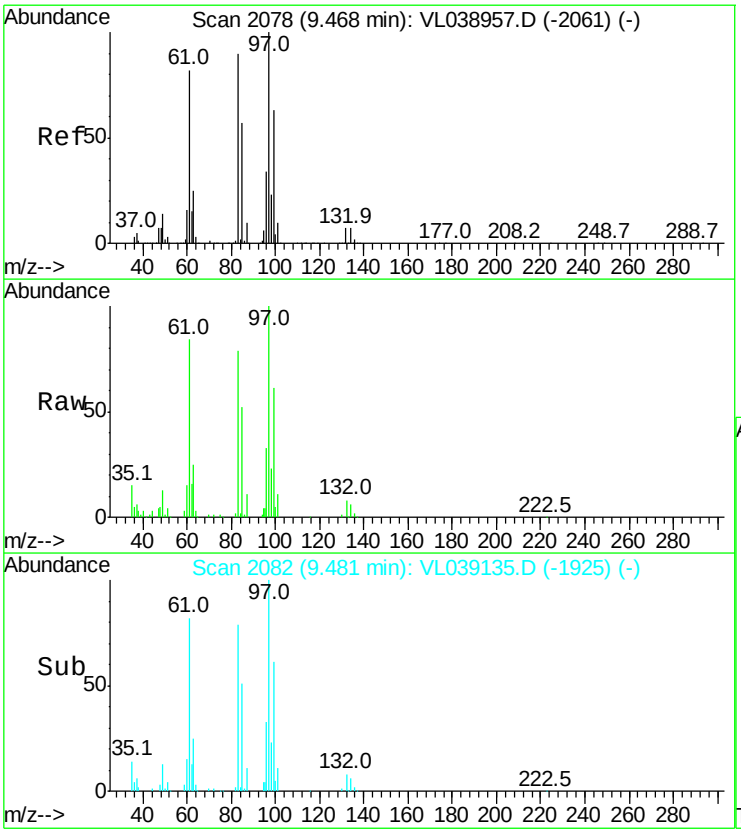
#46
cis-1,3-Dichloropropene
Concen: 0.93 ppbv
RT: 8.71
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 143325

Ion	Ratio	Lower	Upper
75	100		
39	66.1	52.4	78.6
77	25.7	25.5	38.3

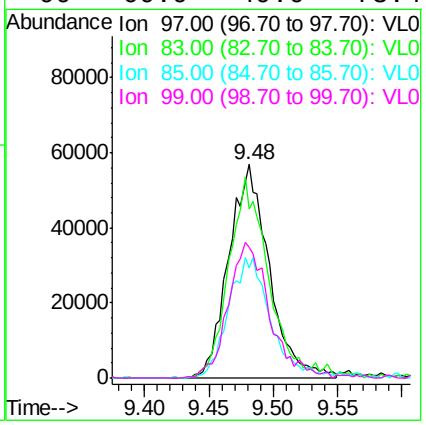


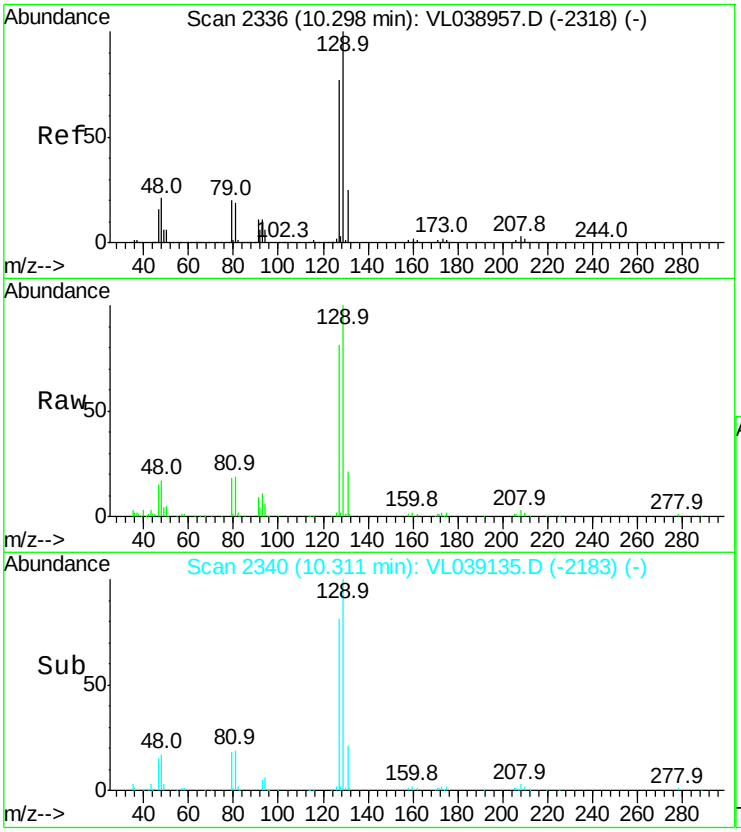


#47
1,1,2-Trichloroethane
Concen: 1.04 ppbv
RT: 9.48 min Scan# 2082
Delta R.T. 0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion: 97 Resp: 124260

Ion	Ratio	Lower	Upper
97	100		
83	78.9	71.6	107.4
85	51.5	44.8	67.2
99	60.9	49.0	73.4



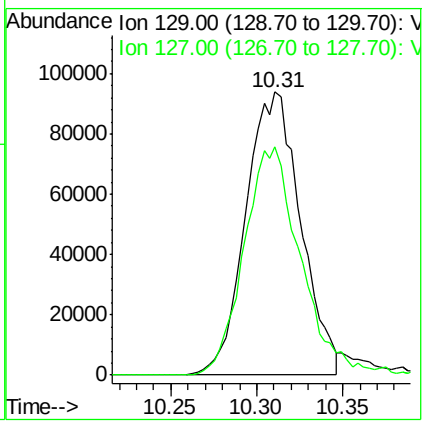


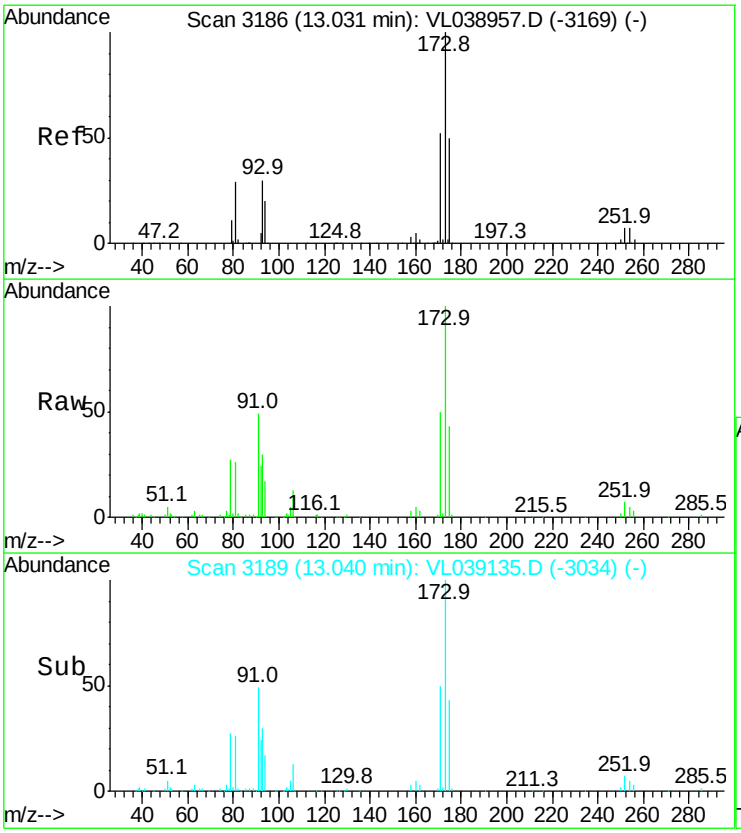
#48
Dibromochloromethane
Concen: 1.07 ppbv
RT: 10.31
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:129 Resp: 208232

Ion	Ratio	Lower	Upper
129	100		
127	83.7	40.0	119.9

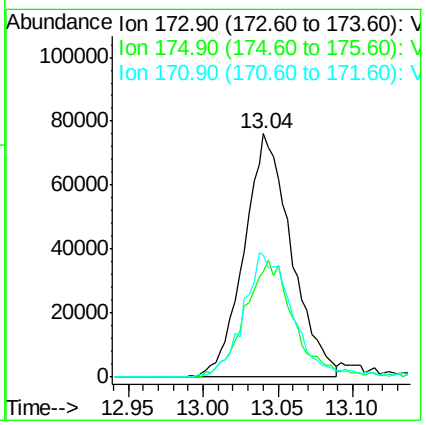


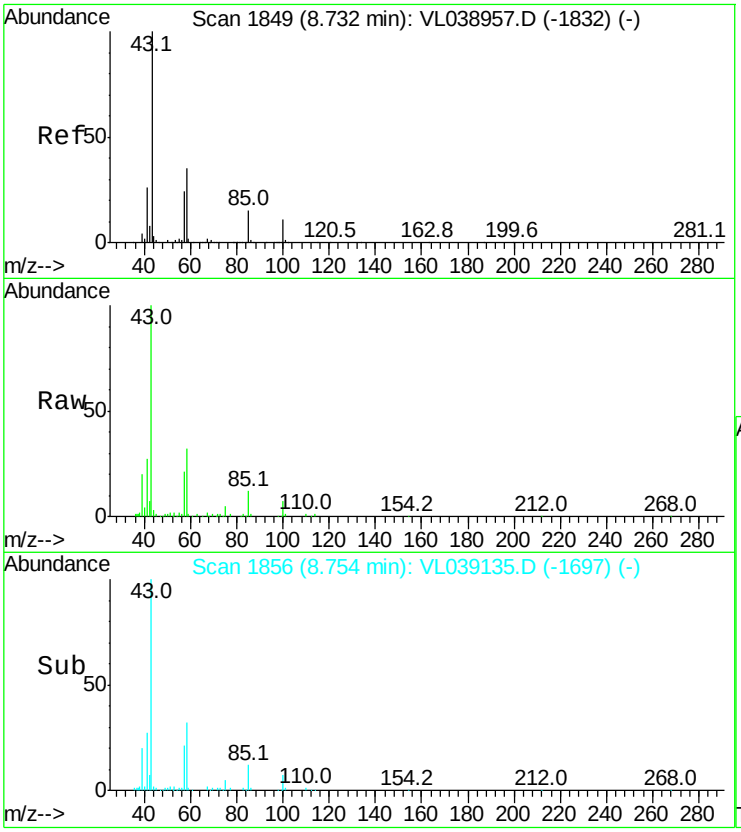


#49
Bromoform
Concen: 1.13 ppbv
RT: 13.04 min Scan# 3189
Delta R.T. -0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion:173 Resp: 167325

Ion	Ratio	Lower	Upper
173	100		
175	51.0	40.2	60.2
171	54.0	43.9	65.9



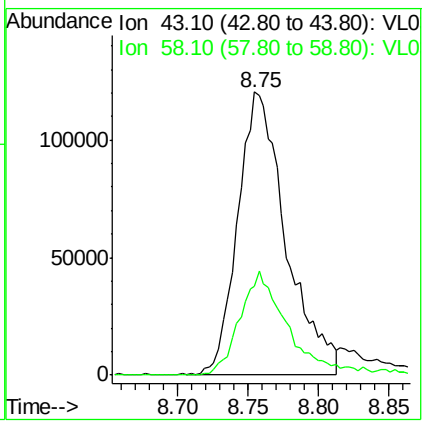


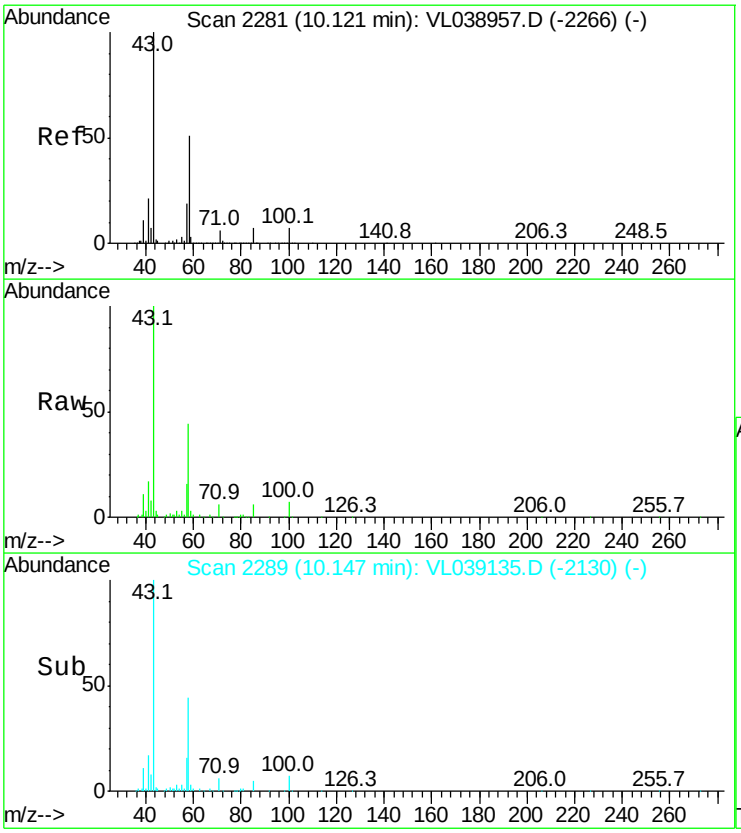
#50
4-Methyl-2-Pentanone
Concen: 0.94 ppbv
RT: 8.75
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 288803

Ion	Ratio	Lower	Upper
43	100		
58	38.3	28.7	43.1

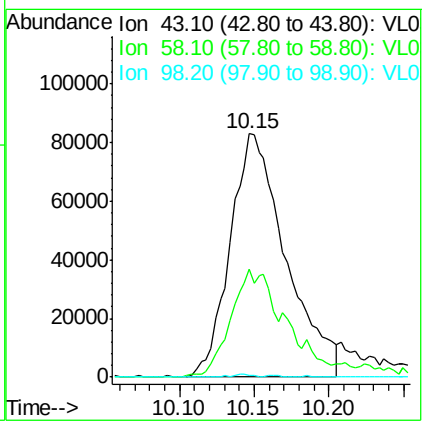


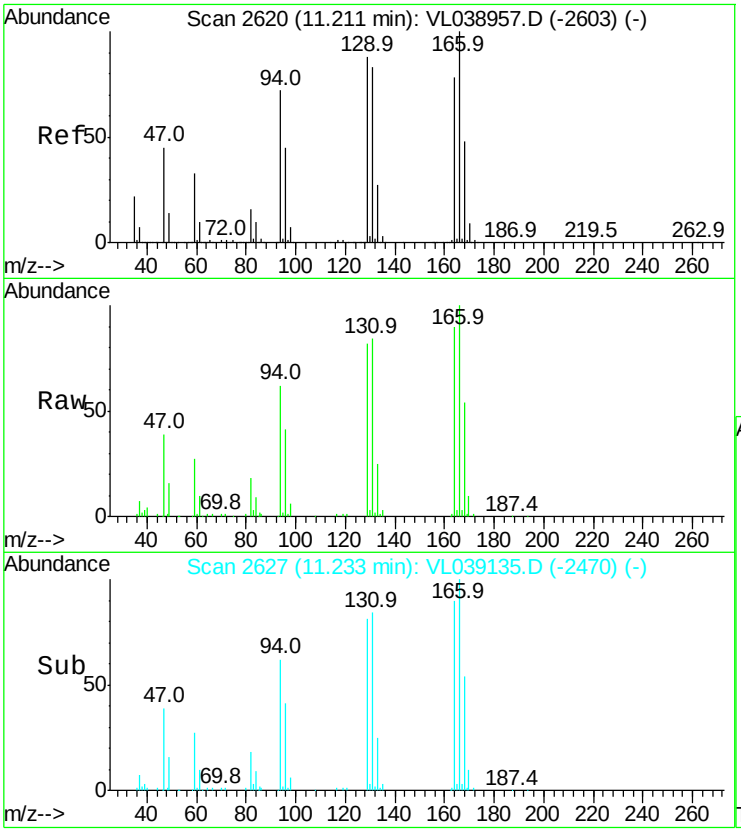


#51
2-Hexanone
Concen: 0.95 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.01 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion: 43 Resp: 214589

Ion	Ratio	Lower	Upper
43	100		
58	50.1	40.0	60.0
98	0.4	0.1	0.1#



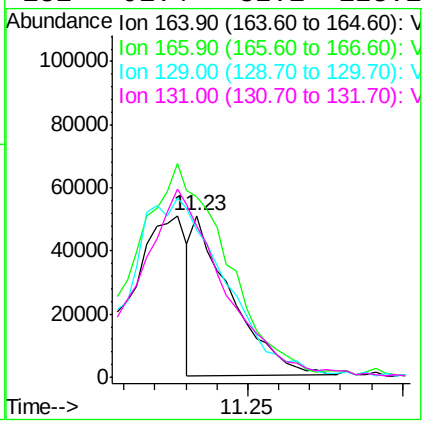


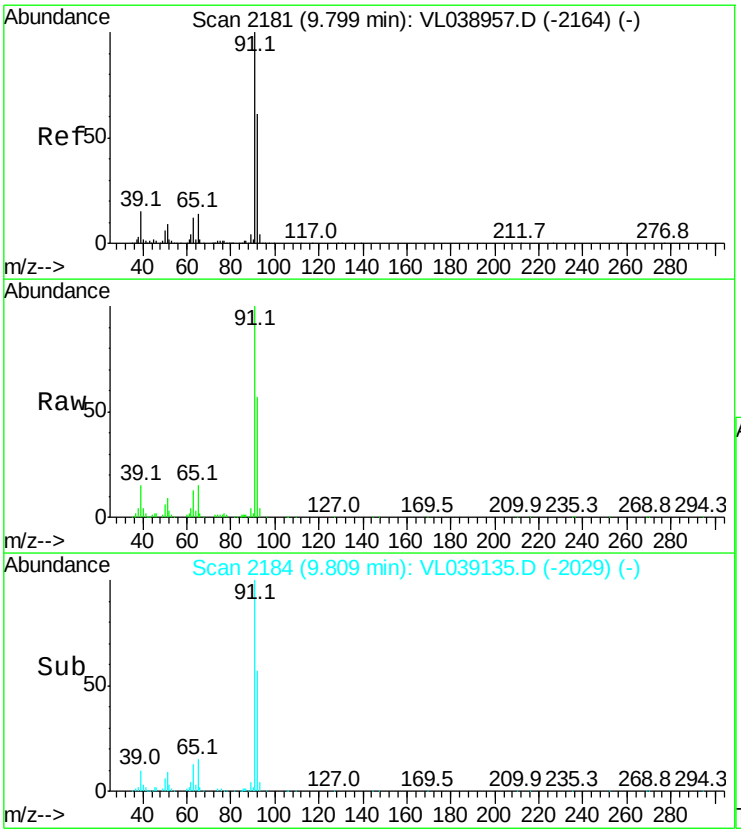
#52
Tetrachloroethene
Concen: 0.42 ppbv
RT: 11.23
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:164 Resp: 44446

Ion	Ratio	Lower	Upper
164	100		
166	109.0	96.3	144.5
129	89.9	82.5	123.7
131	91.4	82.1	123.1

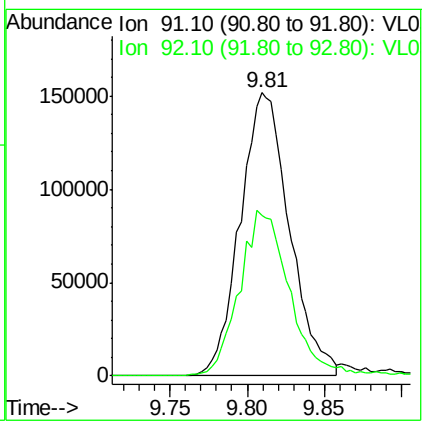


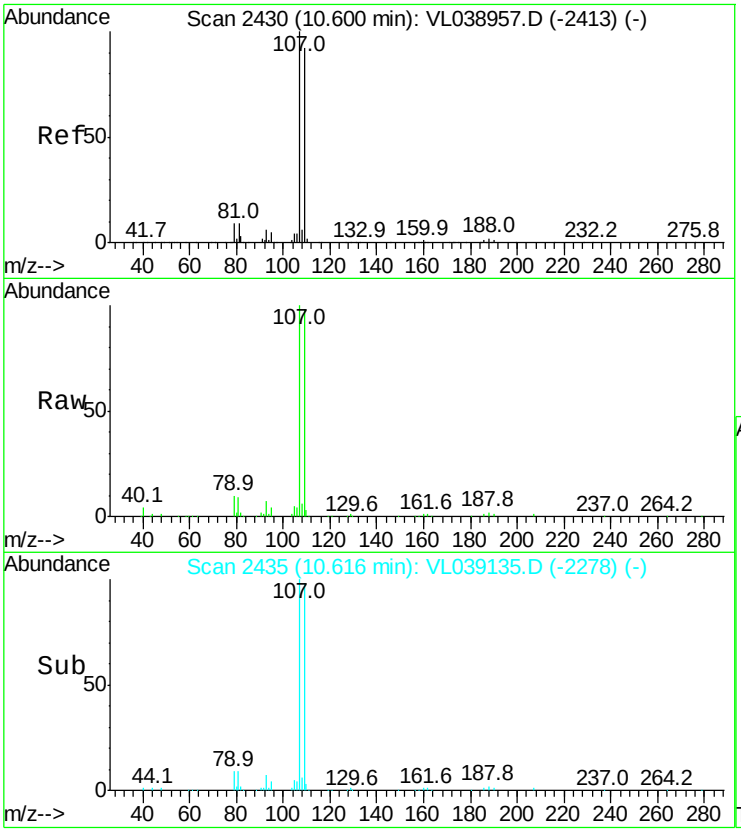


#53
Toluene
Concen: 1.02 ppbv
RT: 9.81 min Scan# 2184
Delta R.T. -0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion: 91 Resp: 336294

Ion	Ratio	Lower	Upper
91	100		
92	60.6	48.1	72.1



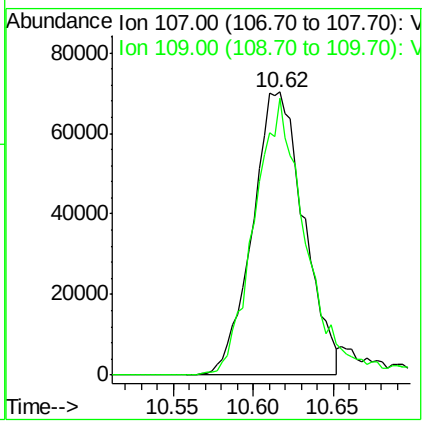


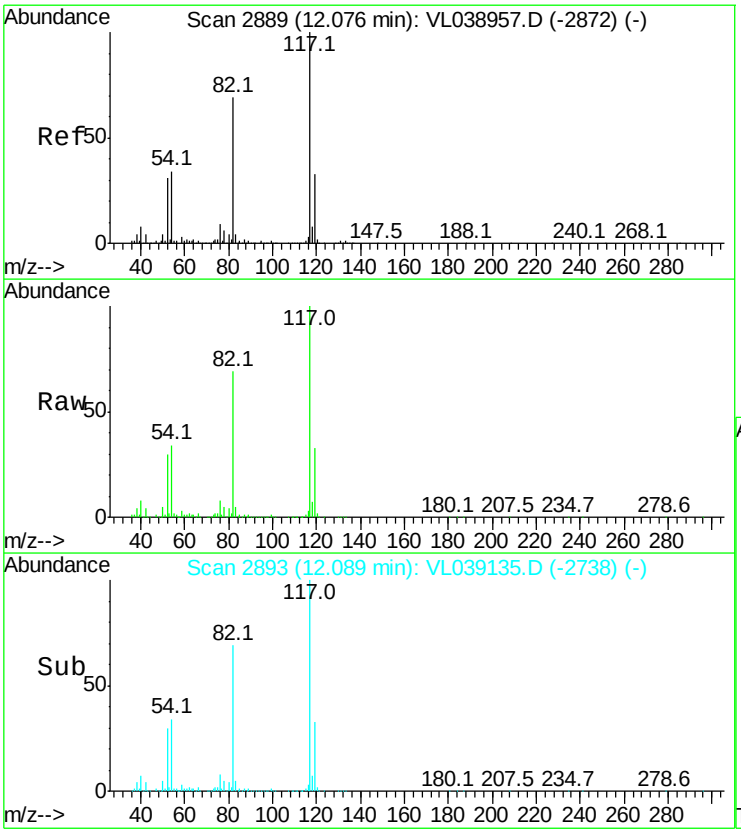
#54
1,2-Dibromoethane
Concen: 0.96 ppbv
RT: 10.62
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 156527

Ion	Ratio	Lower	Upper
107	100		
109	97.7	71.4	107.0

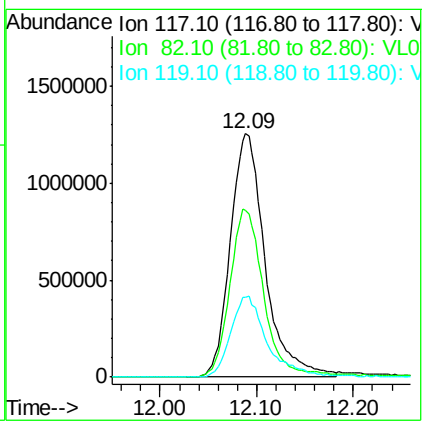


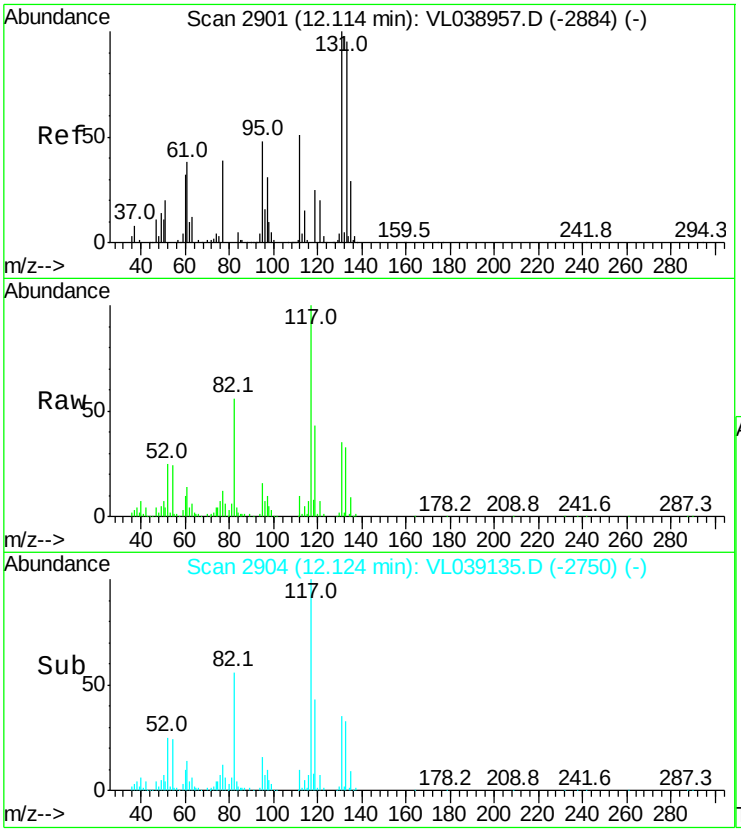


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion:117 Resp: 3143099

Ion	Ratio	Lower	Upper
117	100		
82	68.6	55.1	82.7
119	35.3	24.7	37.1



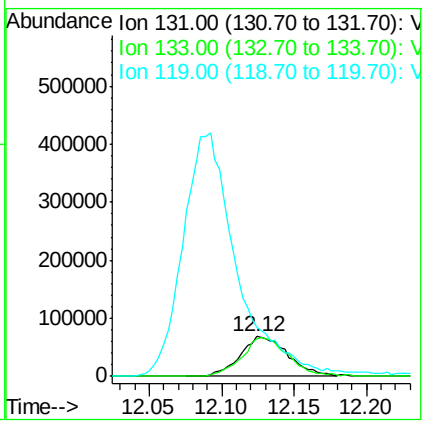


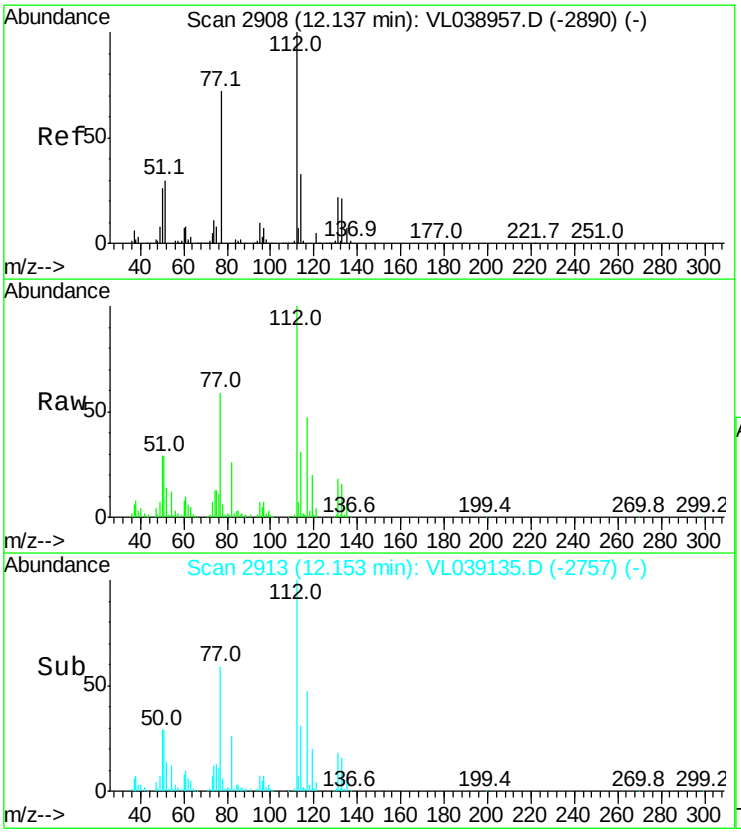
#56
1,1,1,2-Tetrachloroethane
Concen: 1.14 ppbv
RT: 12.12
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:131 Resp: 157442

Ion	Ratio	Lower	Upper
131	100		
133	95.7	78.6	117.8
119	700.0	51.7	77.5#

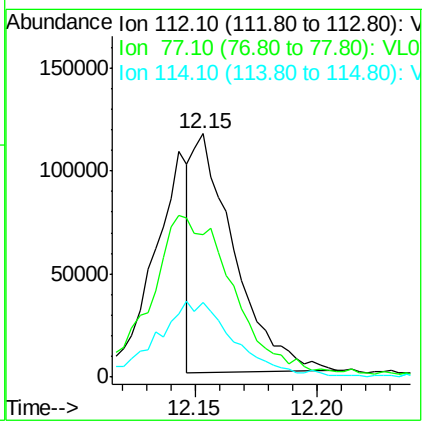


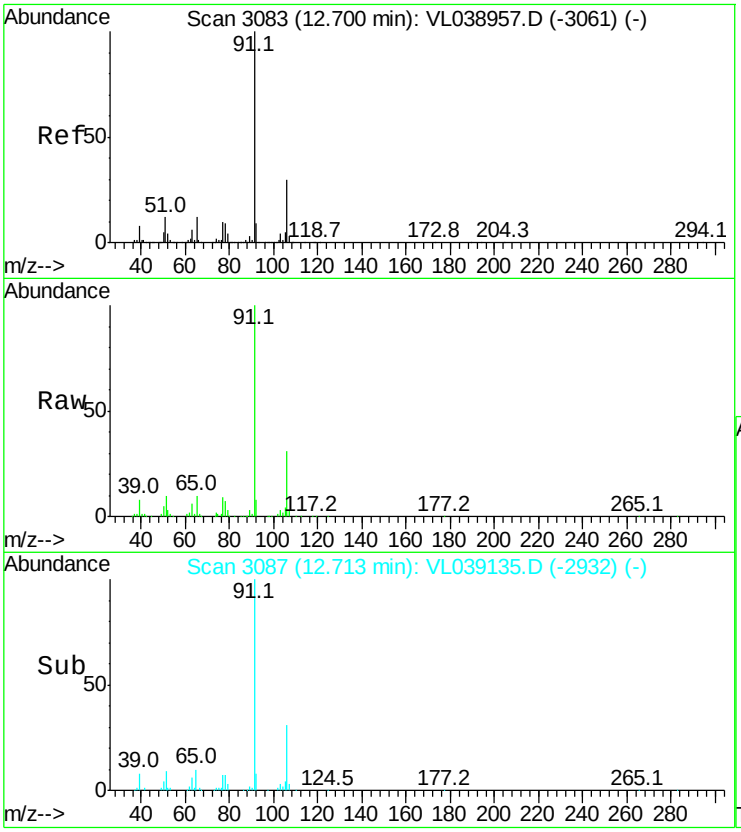


#57
Chlorobenzene
Concen: 0.59 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion:112 Resp: 137929

Ion	Ratio	Lower	Upper
112	100		
77	57.9	56.5	84.7
114	30.4	30.3	37.1



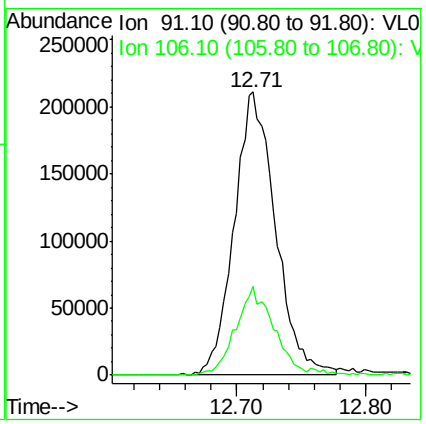


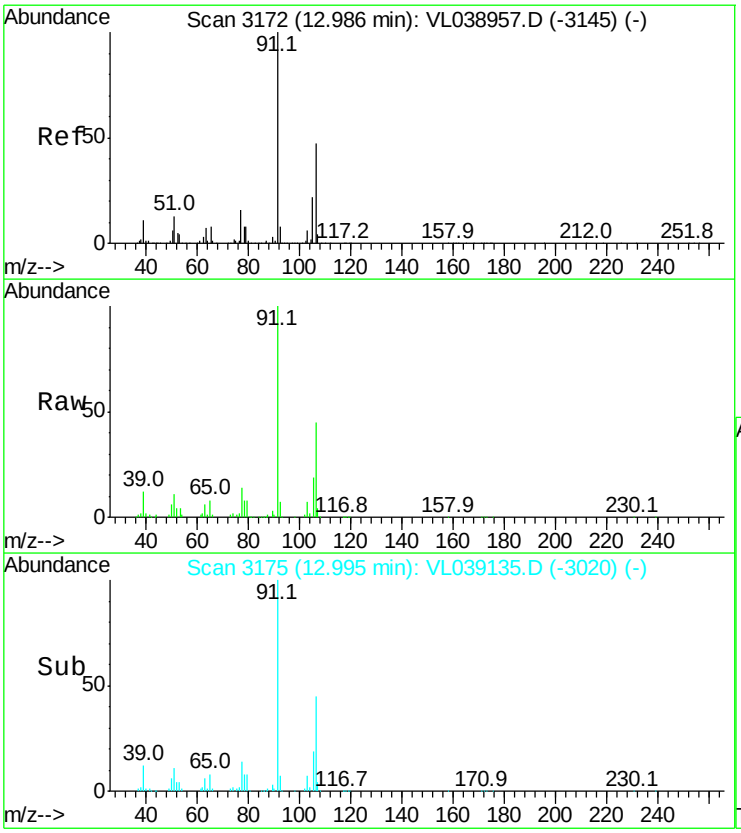
#58
Ethyl Benzene
Concen: 1.03 ppbv
RT: 12.71
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 467161

Ion	Ratio	Lower	Upper
91	100		
106	31.4	24.2	36.4

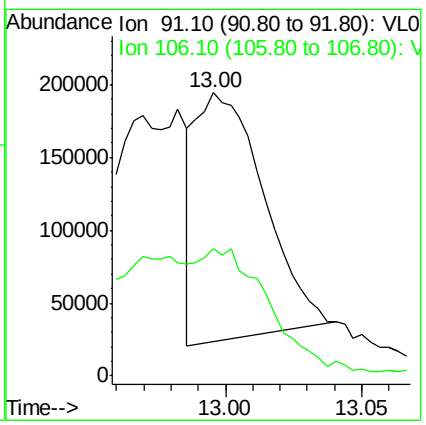


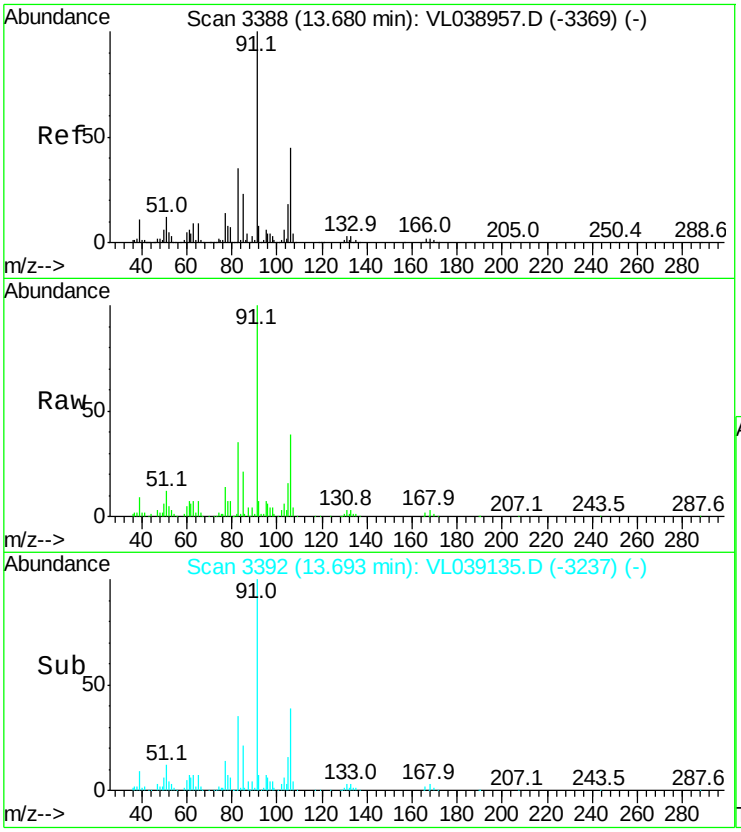


#59
m/p-Xylene
Concen: 0.76 ppbv
RT: 13.00 min Scan# 3175
Delta R.T. -0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion: 91 Resp: 293518

Ion	Ratio	Lower	Upper
91	100		
106	116.9	34.3	51.5#



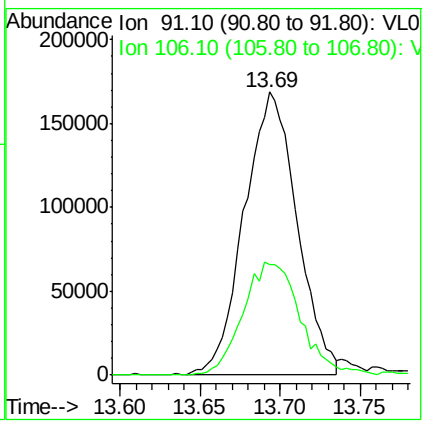


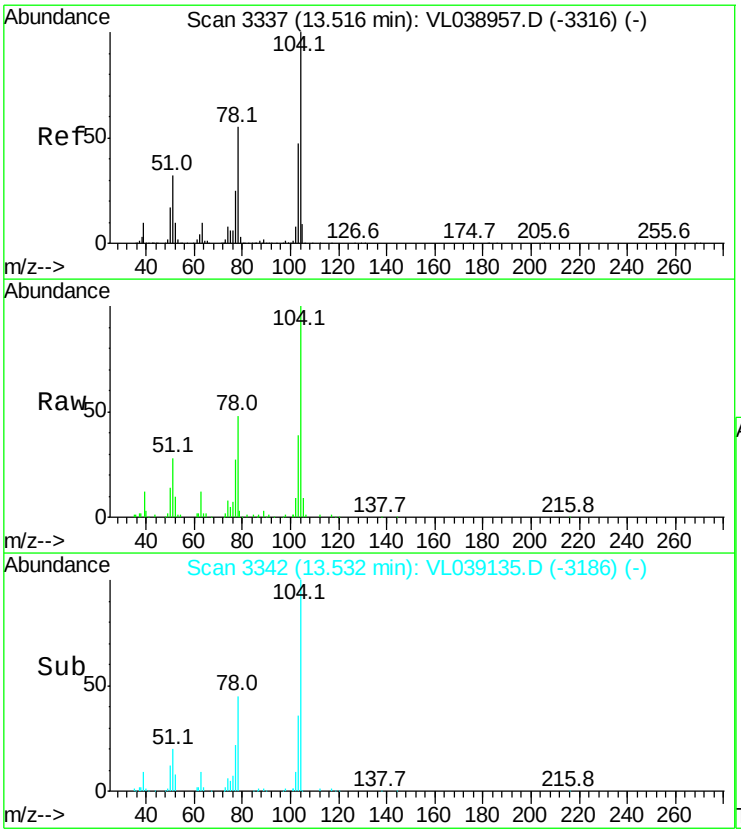
#60
o-Xylene
Concen: 1.05 ppbv
RT: 13.69
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 381004

Ion	Ratio	Lower	Upper
91	100		
106	44.5	22.3	66.9

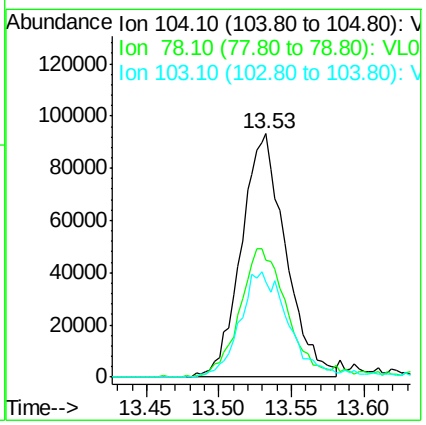


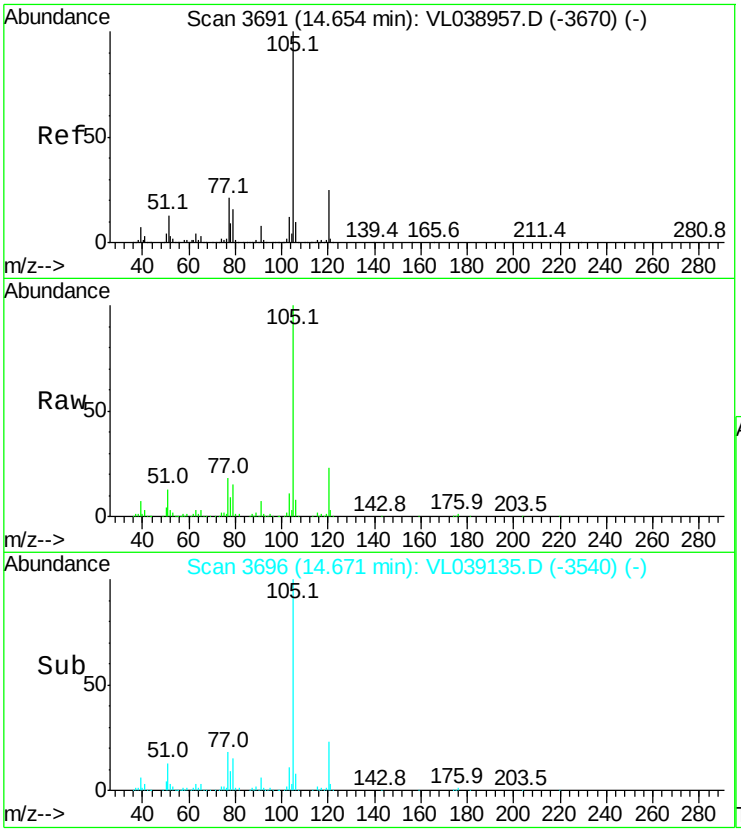


#61
Styrene
Concen: 1.02 ppbv
RT: 13.53 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion:104 Resp: 198443

Ion	Ratio	Lower	Upper
104	100		
78	59.0	45.7	68.5
103	48.3	39.6	59.4



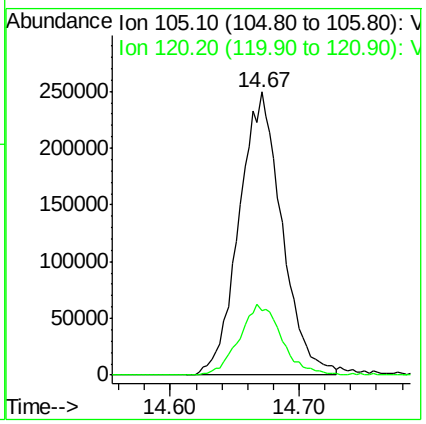


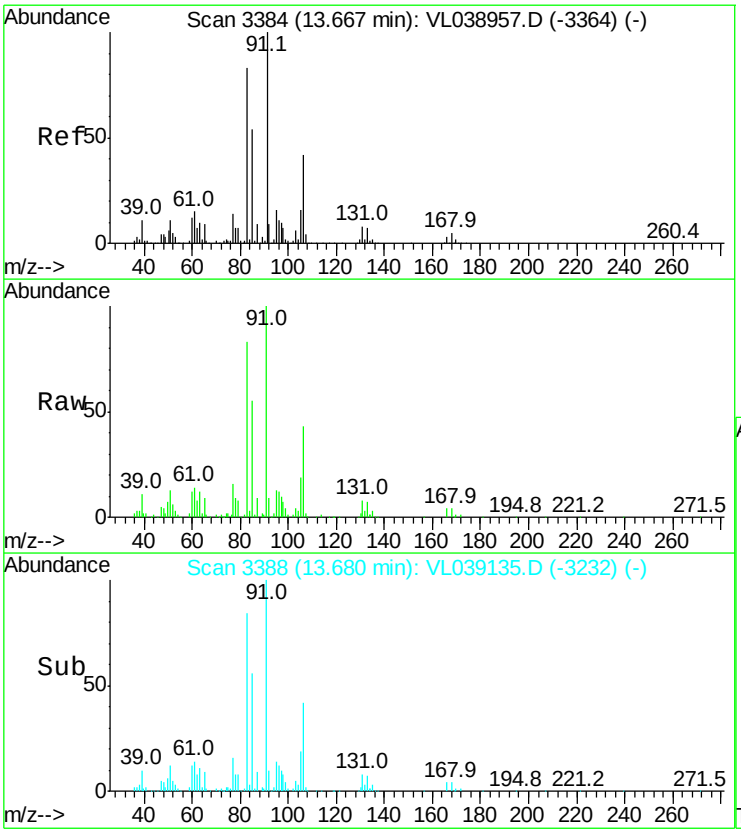
#62
Isopropylbenzene
Concen: 1.08 ppbv
RT: 14.67
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 575915

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.3	30.5

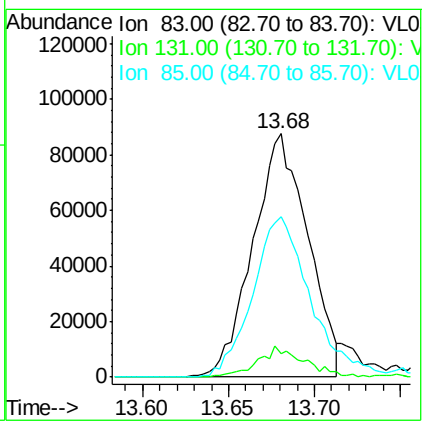


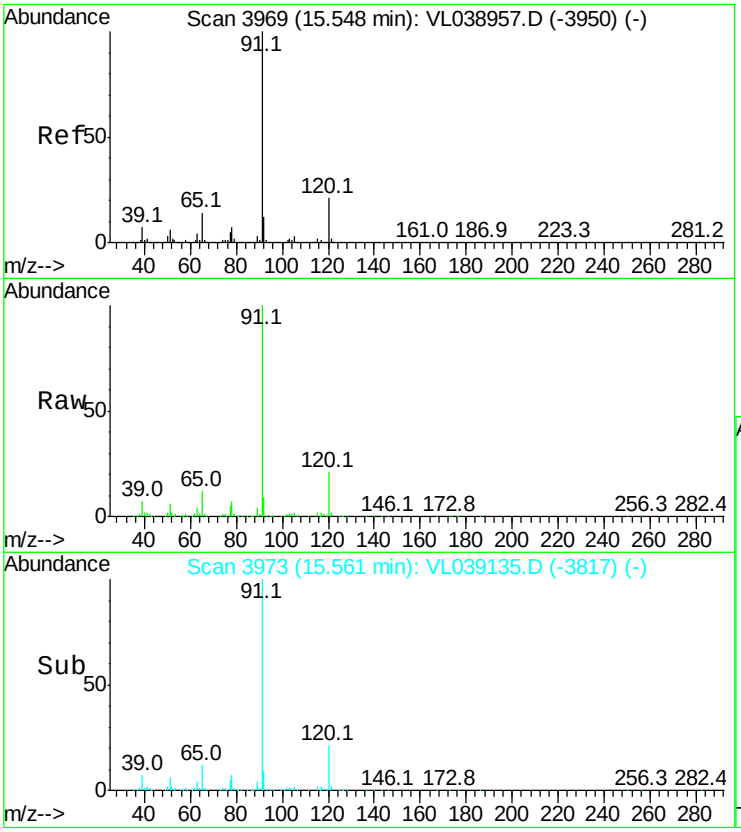


#63
1,1,2,2-Tetrachloroethane
Concen: 0.91 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. 0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion: 83 Resp: 194267

Ion	Ratio	Lower	Upper
83	100		
131	10.7	4.8	14.3
85	72.4	33.0	99.0



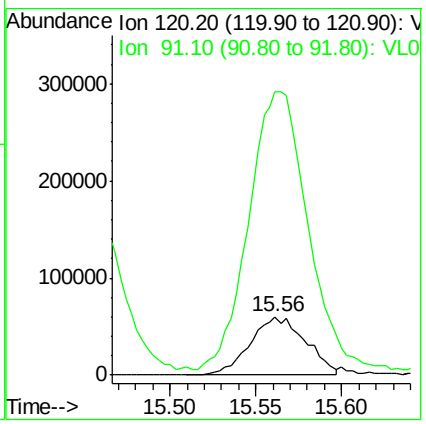


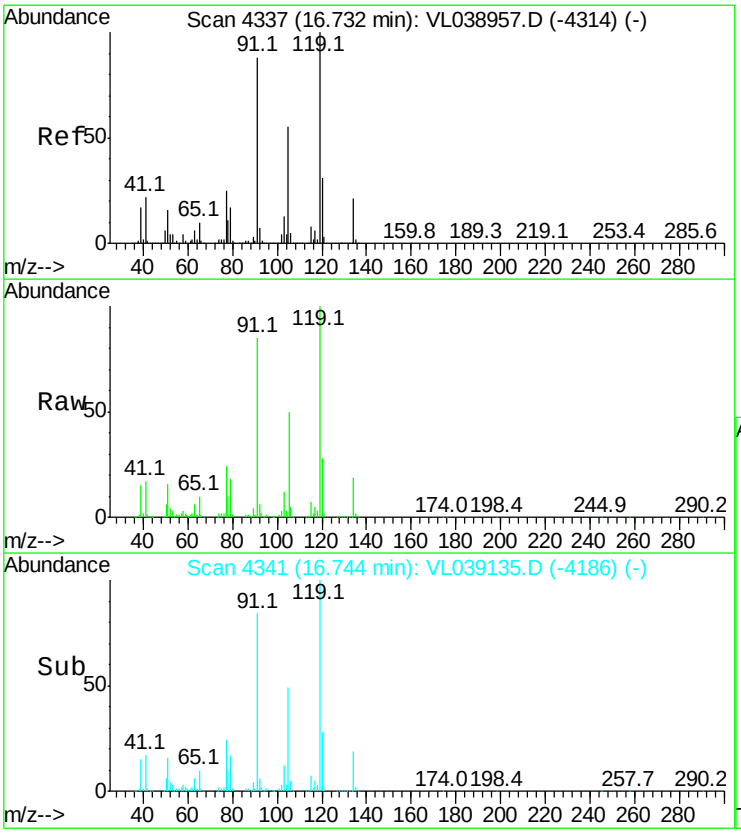
#64
n-propylbenzene
Concen: 1.05 ppbv
RT: 15.56
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:120 Resp: 134424

Ion	Ratio	Lower	Upper
120	100		
91	541.8	388.4	582.6

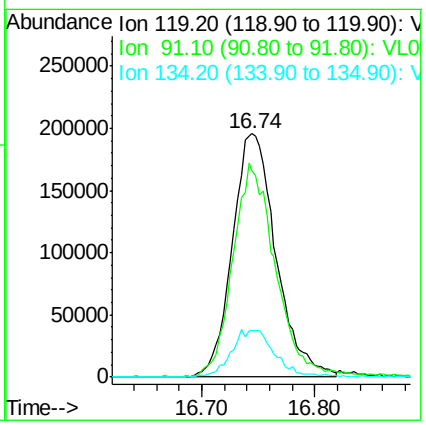


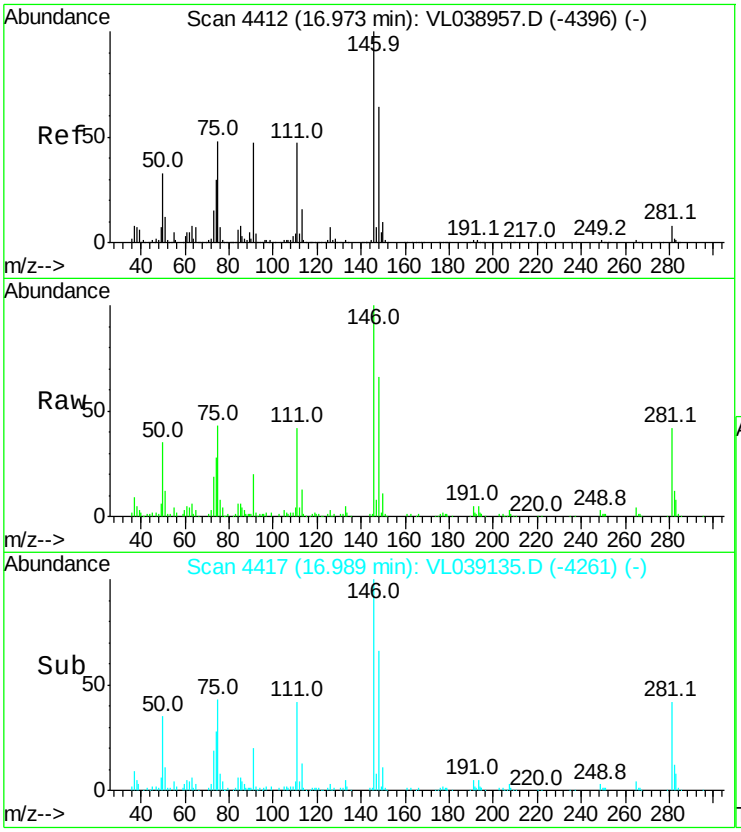


#65
tert-Butylbenzene
Concen: 1.13 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. -0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion:119 Resp: 524004

Ion	Ratio	Lower	Upper
119	100		
91	86.1	67.1	100.7
134	19.3	15.8	23.8



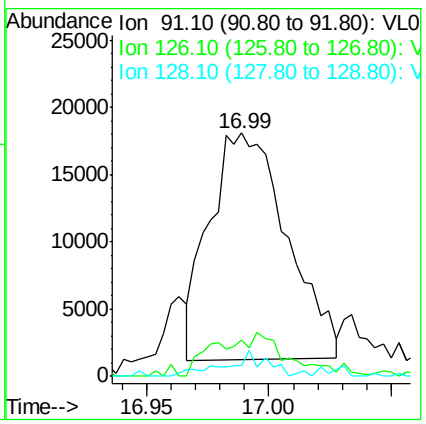


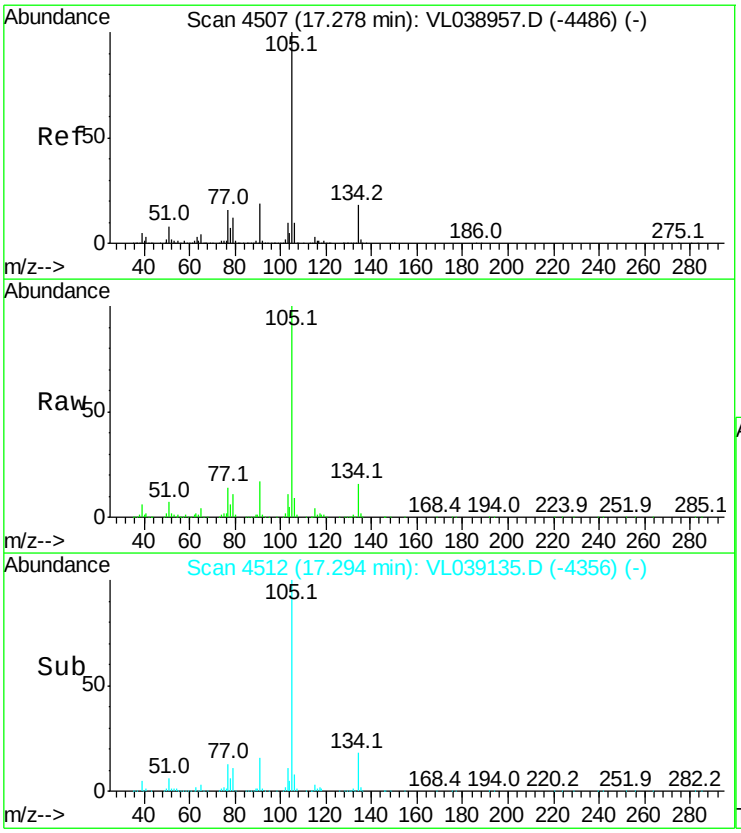
#66
Benzyl Chloride
Concen: 0.61 ppbv
RT: 16.99
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 37239

Ion	Ratio	Lower	Upper
91	100		
126	19.1	13.4	20.0
128	7.3	4.1	6.1#

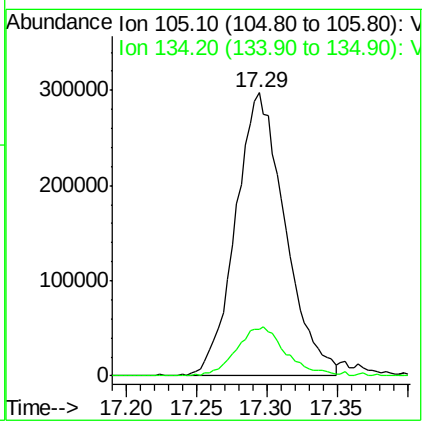


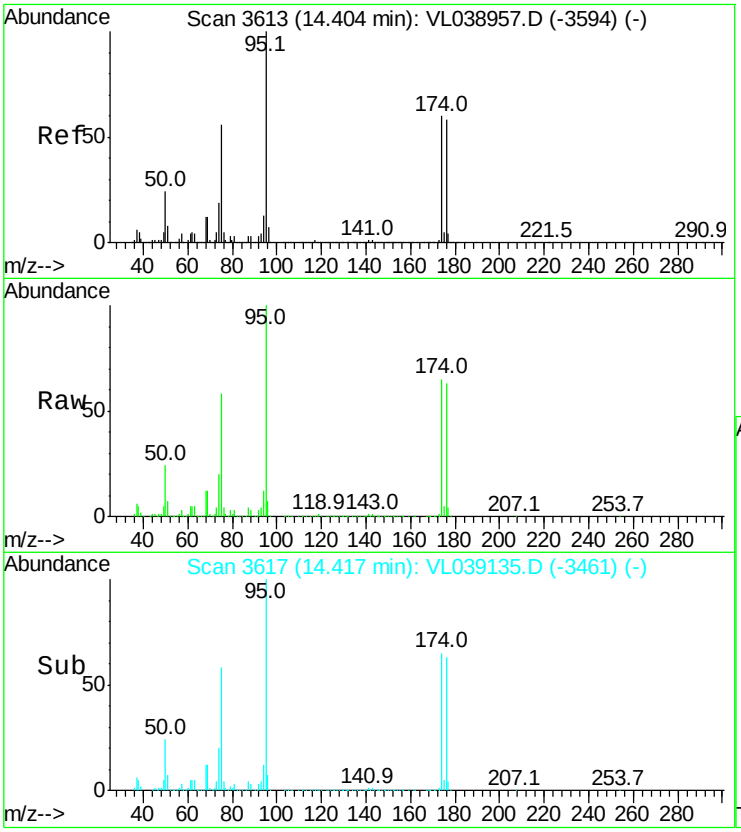


#67
sec-Butylbenzene
Concen: 1.09 ppbv
RT: 17.29 min Scan# 4512
Delta R.T. 0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion:105 Resp: 724478

Ion	Ratio	Lower	Upper
105	100		
134	17.6	14.4	21.6



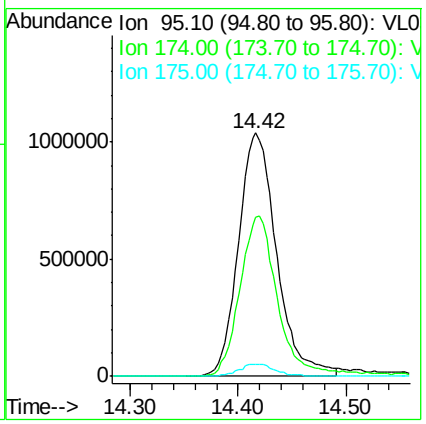


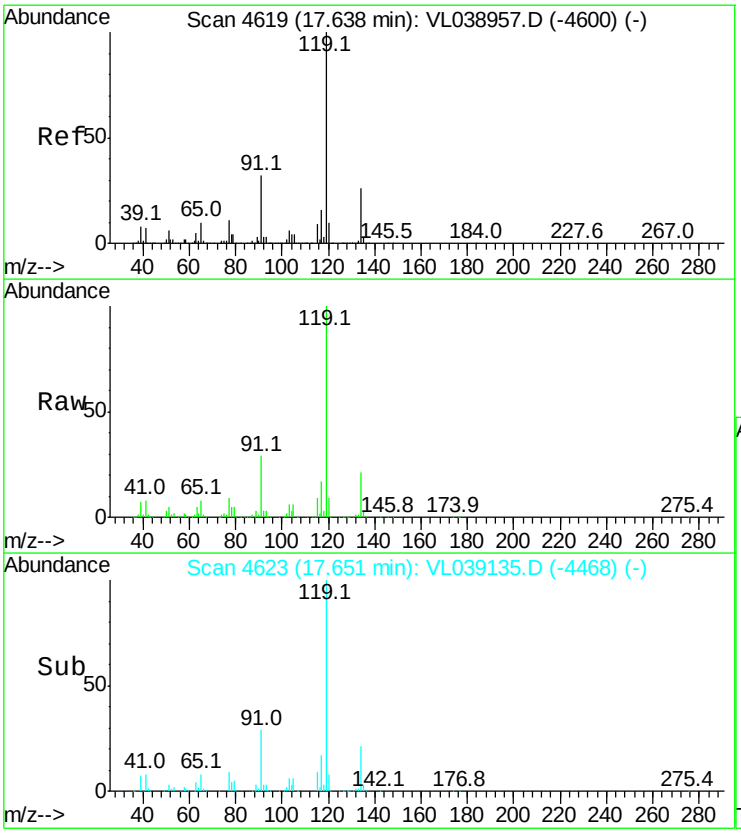
#68
1-Bromo-4-Fluorobenzene
Concen: 10.26 ppbv
RT: 14.42
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 95 Resp: 2554934

Ion	Ratio	Lower	Upper
95	100		
174	67.4	53.8	80.8
175	5.0	4.1	6.1

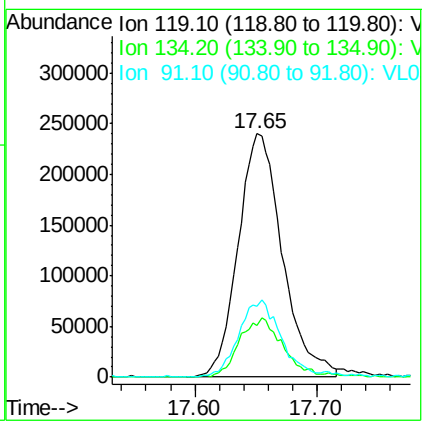


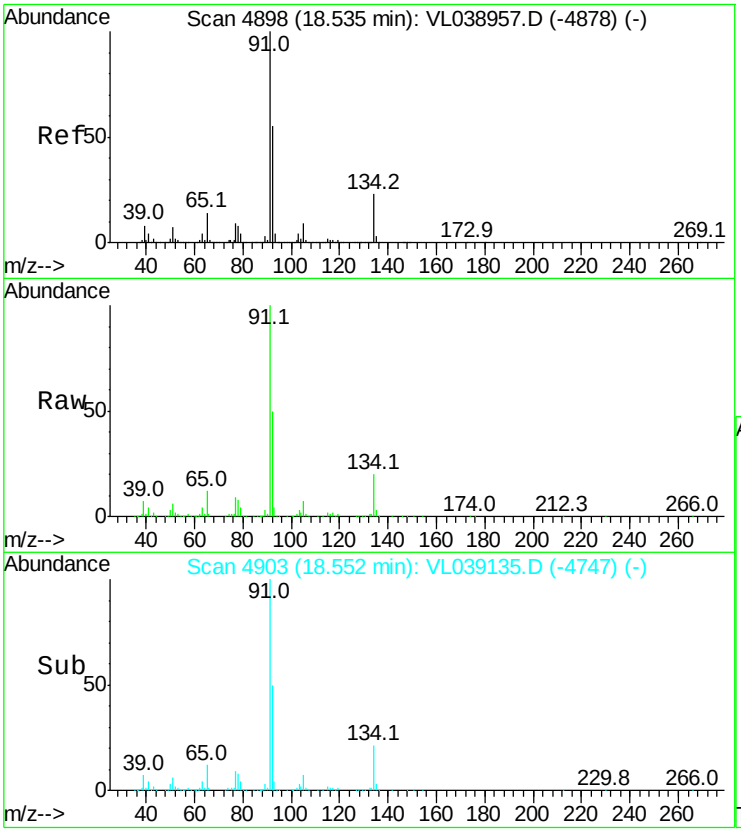


#69
p-Isopropyltoluene
Concen: 1.12 ppbv
RT: 17.65 min Scan# 4623
Delta R.T. -0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion:119 Resp: 599554

Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.4	30.6
91	31.4	24.2	36.4



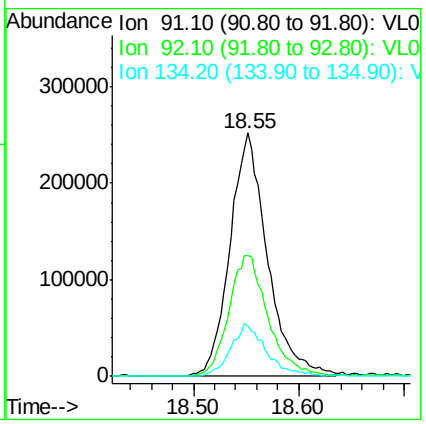


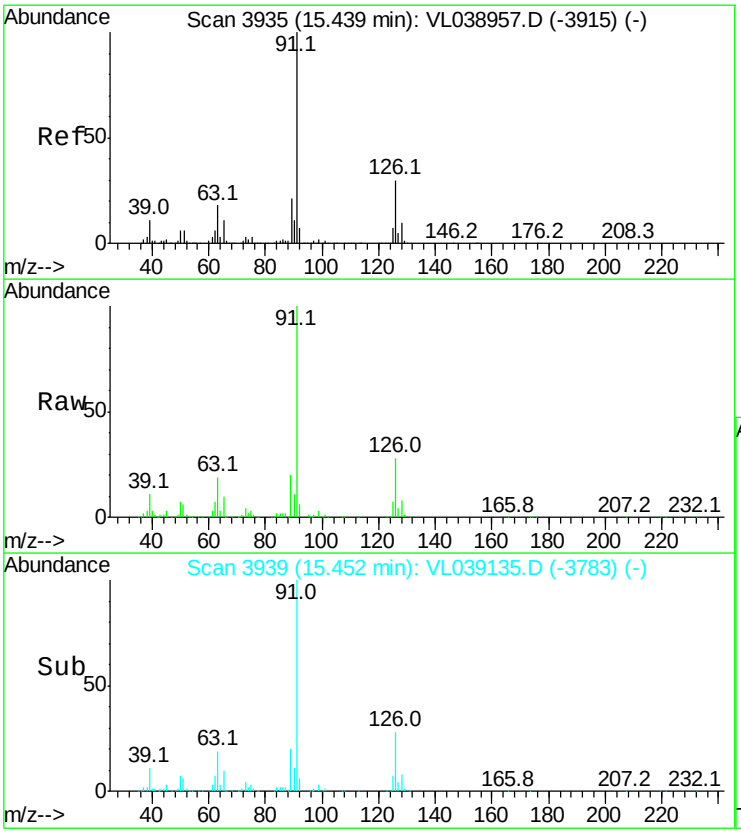
#70
n-Butylbenzene
Concen: 1.08 ppbv
RT: 18.55
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 614514

Ion	Ratio	Lower	Upper
91	100		
92	53.0	43.6	65.4
134	21.1	17.7	26.5

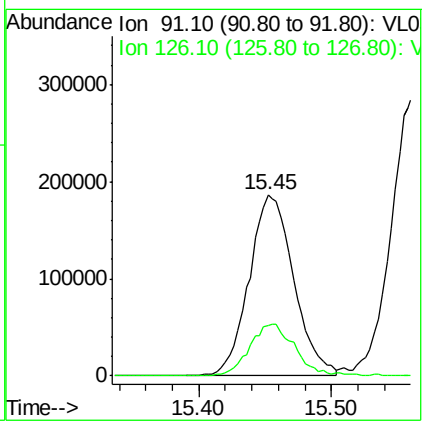


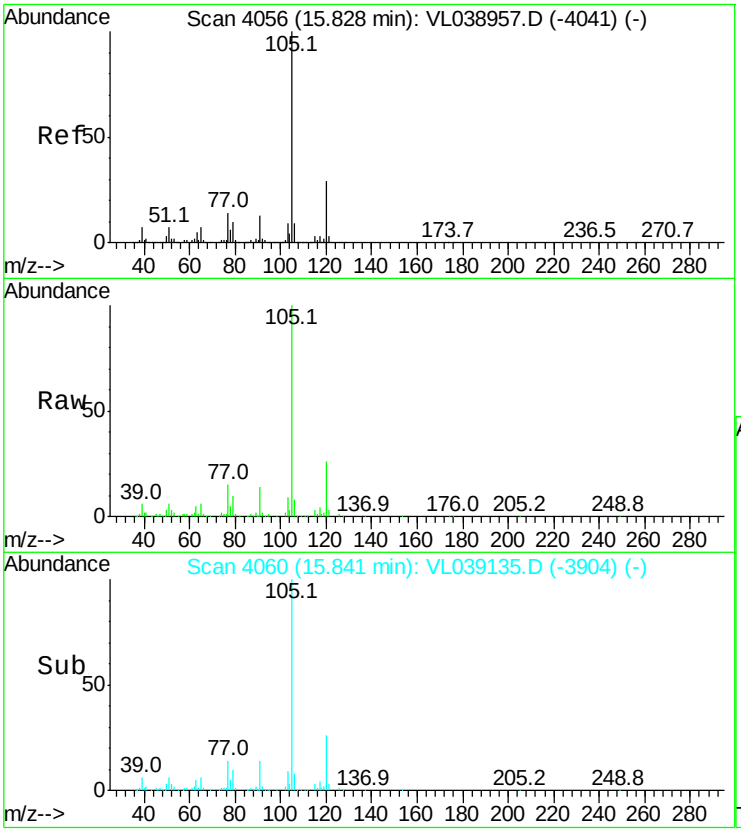


#71
2-Chlorotoluene
Concen: 1.07 ppbv
RT: 15.45 min Scan# 3939
Delta R.T. 0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion: 91 Resp: 436589

Ion	Ratio	Lower	Upper
91	100		
126	29.6	12.2	48.6



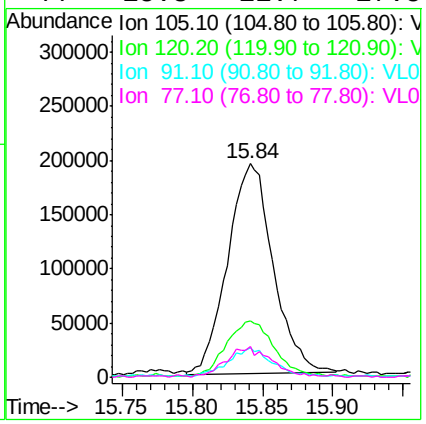


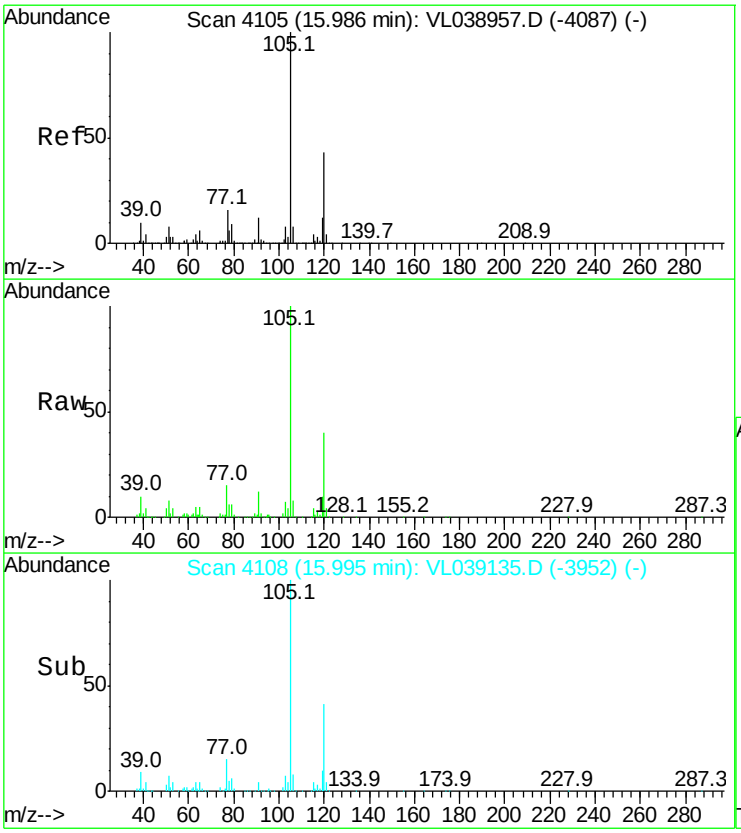
#72
4-Ethyltoluene
Concen: 1.06 ppbv
RT: 15.84
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 437250

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.9	35.9
91	12.4	10.6	16.0
77	15.8	11.7	17.5

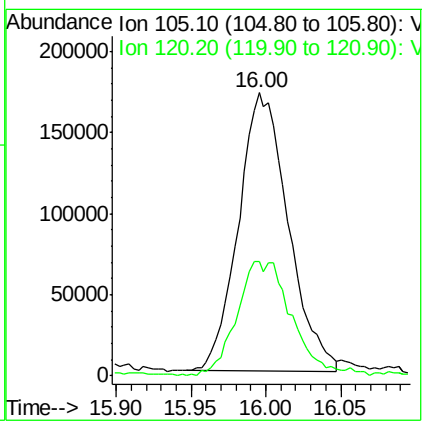


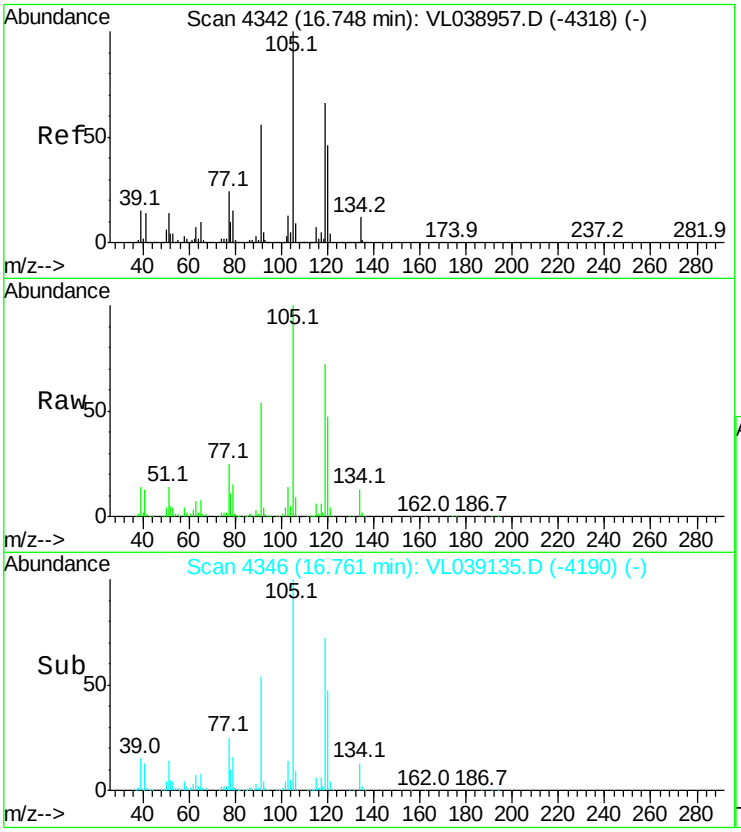


#73
1,3,5-Trimethylbenzene
Concen: 1.07 ppbv
RT: 16.00 min Scan# 4108
Delta R.T. 0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion:105 Resp: 397708

Ion	Ratio	Lower	Upper
105	100		
120	40.8	36.7	55.1



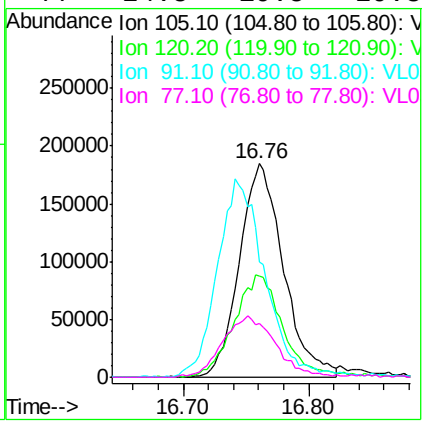


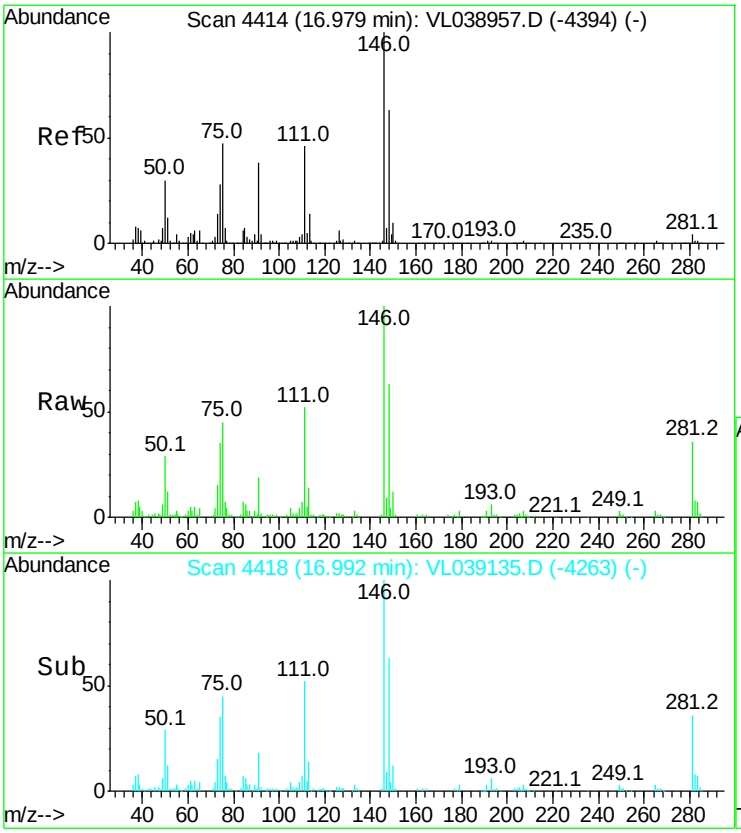
#74
1,2,4-Trimethylbenzene
Concen: 1.10 ppbv
RT: 16.76
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 449233

Ion	Ratio	Lower	Upper
105	100		
120	46.7	38.1	57.1
91	52.5	47.4	71.0
77	24.5	19.5	29.3

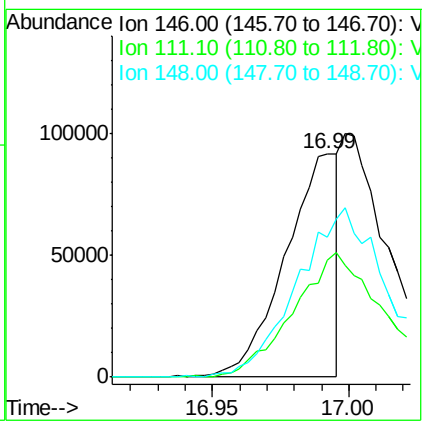


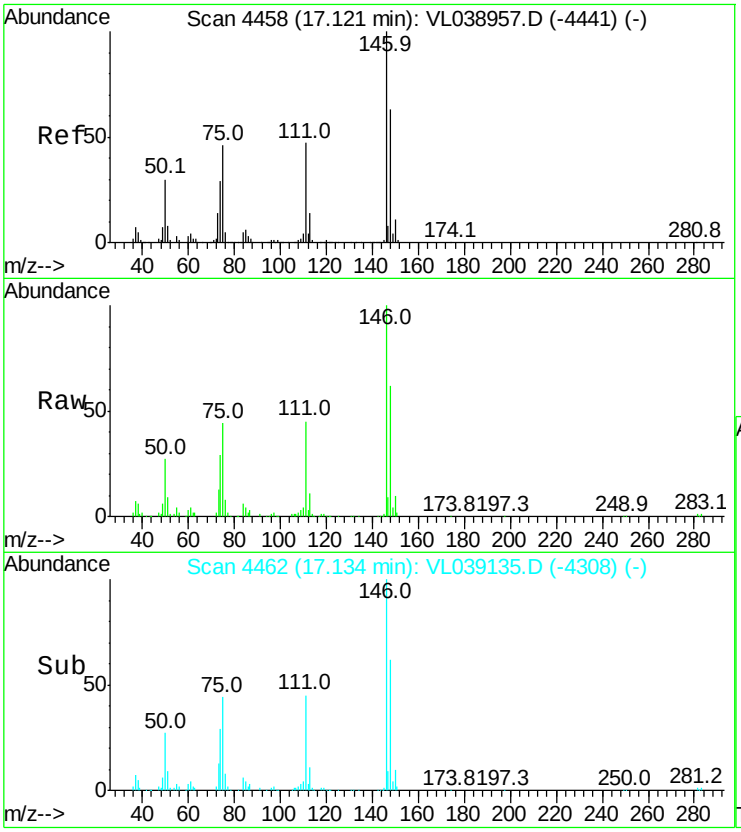


#75
1,3-Dichlorobenzene
Concen: 0.54 ppbv
RT: 16.99 min Scan# 4418
Delta R.T. -0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion:146 Resp: 121359

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.8	71.4#
148	0.0	32.4	97.0#



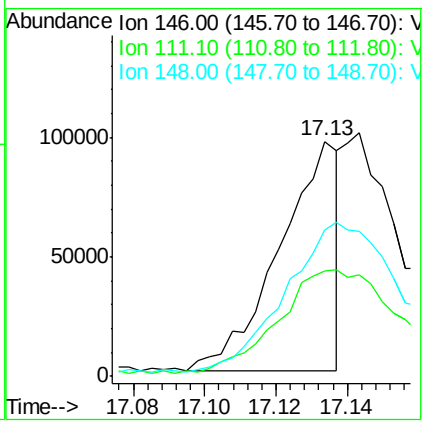


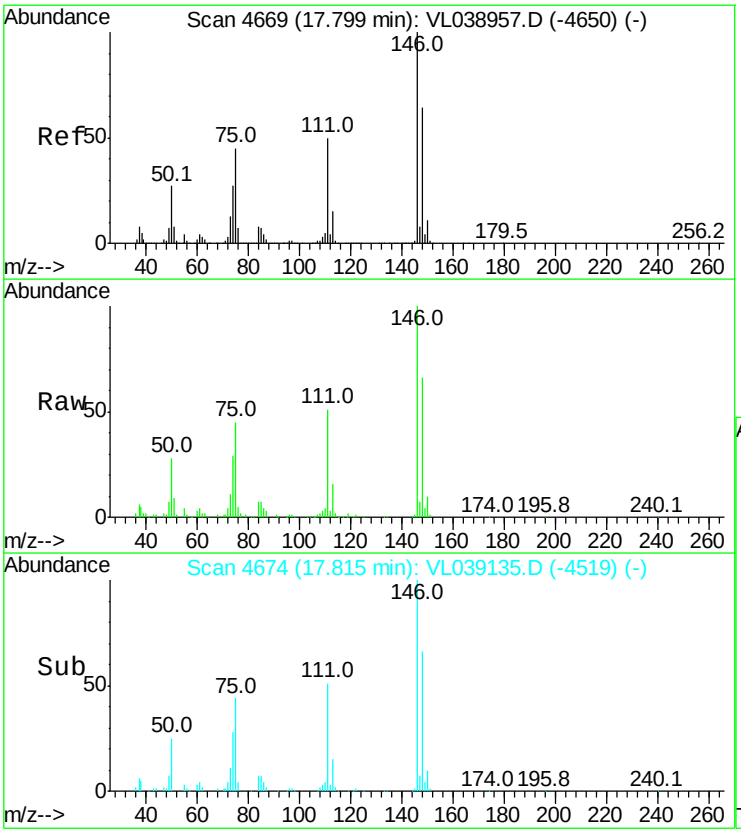
#76
1,4-Dichlorobenzene
Concen: 0.50 ppbv
RT: 17.13
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 110019

Ion	Ratio	Lower	Upper
146	100		
111	107.1	23.6	71.0#
148	143.7	33.7	101.0#

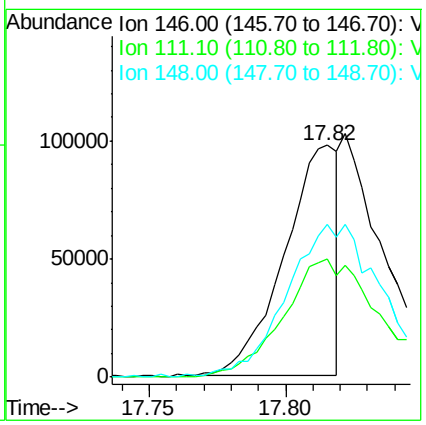


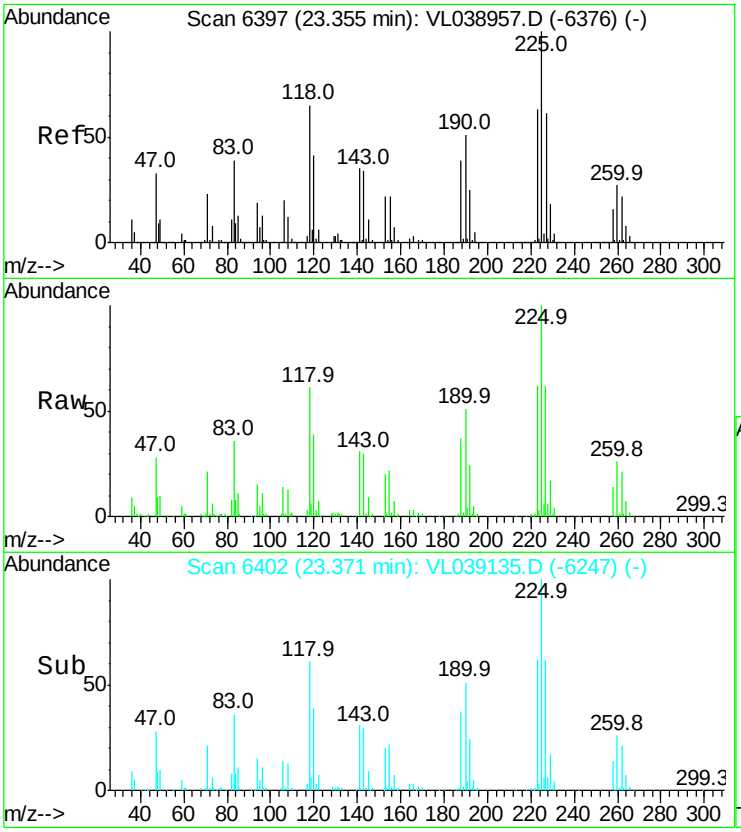


#77
1,2-Dichlorobenzene
Concen: 0.60 ppbv
RT: 17.82 min Scan# 4674
Delta R.T. -0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion:146 Resp: 132584

Ion	Ratio	Lower	Upper
146	100		
111	98.3	24.4	73.4#
148	129.7	32.1	96.5#



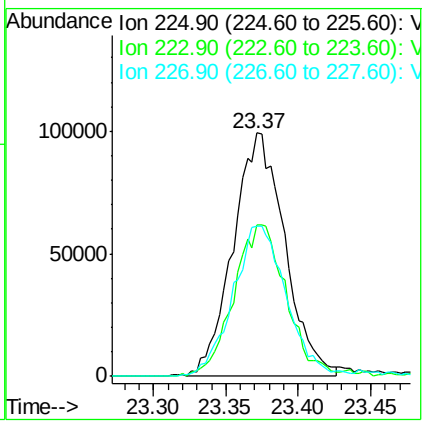


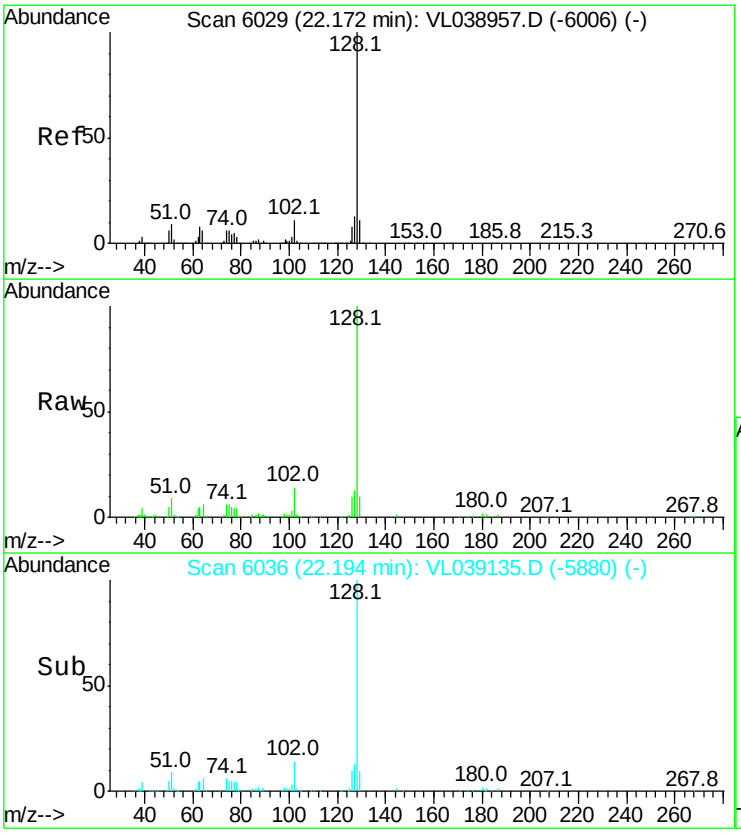
#78
Hexachloro-1,3-Butadiene
Concen: 1.21 ppbv
RT: 23.37
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:225 Resp: 246247

Ion	Ratio	Lower	Upper
225	100		
223	65.5	51.4	77.0
227	64.8	50.6	75.8

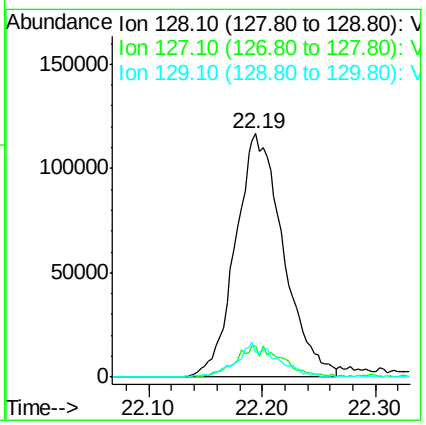


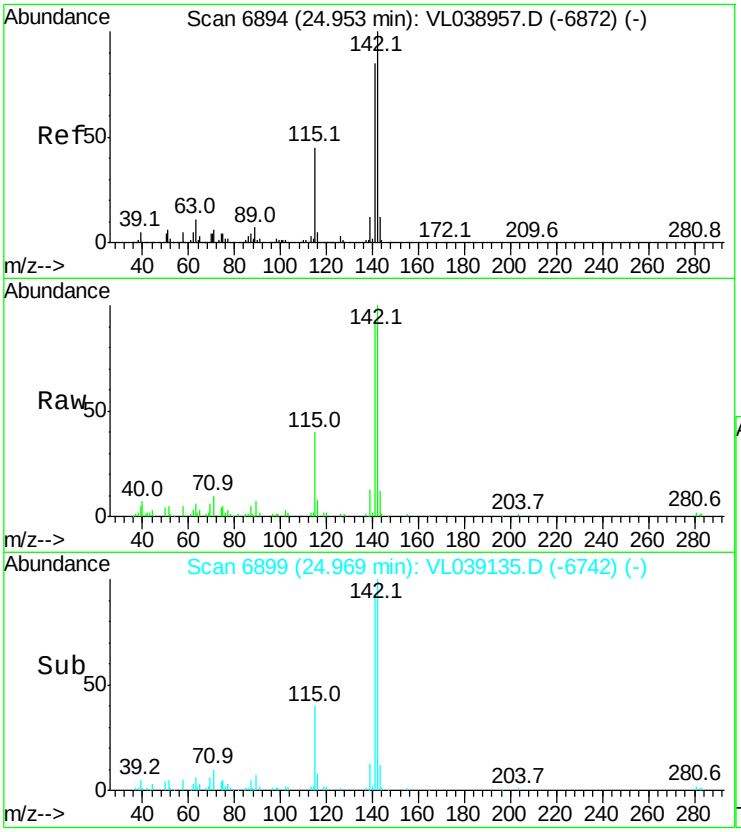


#79
Naphthalene
Concen: 1.04 ppbv
RT: 22.19 min Scan# 6036
Delta R.T. 0.00 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion:128 Resp: 343393

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	9.9	9.0	13.6



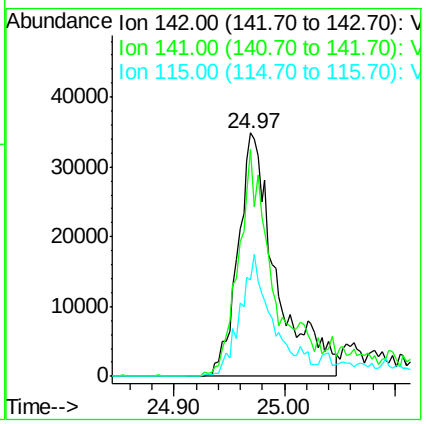


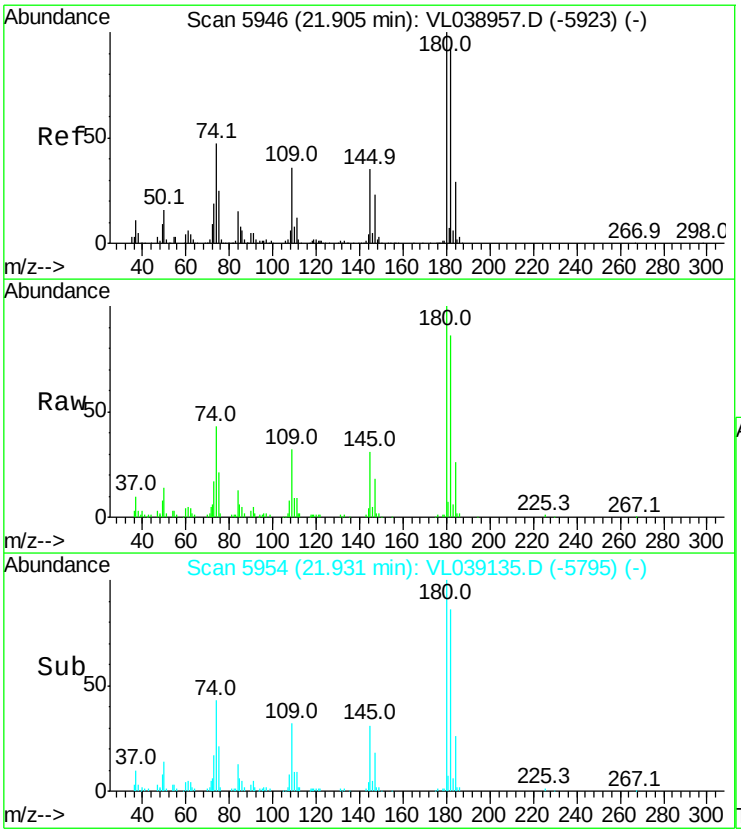
#80
Naphthalene,2-methyl-
Concen: 0.84 ppbv
RT: 24.97
Delta R.T
Lab File:
Acq: 31 May 2022 17:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:142 Resp: 84048

Ion	Ratio	Lower	Upper
142	100		
141	96.9	64.6	96.8#
115	43.0	32.7	49.1





#81
1,2,4-Trichlorobenzene
Concen: 1.07 ppbv
RT: 21.93 min Scan# 5954
Delta R.T. 0.01 min
Lab File: VL039135.D
Acq: 31 May 2022 17:36

Tgt Ion:180 Resp: 207119

Ion	Ratio	Lower	Upper
180	100		
182	97.3	0.0	0.0#
184	30.7	0.0	0.0#