Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
Data File : VL041860.D
Acq On : 09 Jan 2025 11:52
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Jan 10 00:14:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Jan 10 00:10:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.803	49	145561	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.981	114	440592	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.904	117	401428	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.396	95	324737	9.445	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.500%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.505	85	47849	2.003	ppbv		97
3) Chlorodifluoromethane	1.483	51	54474	2.387	ppbv		97
4) Chloromethane	1.541	50	19879	2.024	ppbv		97
5) Vinyl Chloride	1.589	62	18283	1.846	ppbv		94
6) Bromomethane	1.677	94	9801	2.310	ppbv		98
7) Chloroethane	1.712	64	7947	2.084	ppbv		92
8) Dichlorotetrafluoroethane	1.560	85	44848	2.176	ppbv		94
9) Propene	1.489	41	24915	3.136	ppbv		98
10) Heptane	5.011	43	66122	3.369	ppbv		97
11) Trichlorofluoromethane	1.887	101	52216	2.150	ppbv		95
12) 1,1,2-Trichlorotrifluo...	2.153	101	41991	2.322	ppbv		96
13) Ethanol	1.729	45	2238	2.144	ppbv		86
14) Bromoethene	1.790	108	15205	2.568	ppbv	#	98
15) Acetone	1.845	43	52918	1.975	ppbv		95
16) 1,3-Butadiene	1.615	39	20658	1.966	ppbv		97
17) tert-Butyl alcohol	2.052	59	58092	2.502	ppbv		95
18) 1,1-Dichloroethene	2.046	96	18153	2.397	ppbv		94
19) Isopropyl Alcohol	1.897	45	26028	2.069	ppbv	#	34
20) Methylene Chloride	2.072	84	17135	2.237	ppbv		98
21) Allyl Chloride	2.107	41	32414	2.348	ppbv		99
22) trans-1,2-Dichloroethene	2.353	96	21862	2.583	ppbv		99
23) Vinyl Acetate	2.476	43	30926	3.710	ppbv	#	96
24) 1,1-Dichloroethane	2.424	63	40950	2.211	ppbv		99
25) Ethyl Acetate	2.855	43	126167	2.807	ppbv		98
26) Hexane	2.842	57	52287	3.352	ppbv		98
27) Carbon Disulfide	2.162	76	50347	3.401	ppbv	#	57
28) Methyl tert-Butyl Ether	2.457	73	43777	3.724	ppbv		94
29) Chloroform	2.865	83	74846	2.583	ppbv		99
30) Cyclohexane	3.878	84	46542	3.935	ppbv		95
31) cis-1,2-Dichloroethene	2.738	61	50096	3.120	ppbv		95
32) 1,1,1-Trichloroethane	3.389	97	72210	2.750	ppbv		99
34) 2-Butanone	2.573	43	78681	2.267	ppbv		97
35) Carbon Tetrachloride	3.790	117	69223	2.079	ppbv		92
36) Benzene	3.680	78	106654	2.534	ppbv		96
37) 1,2-Dichloroethane	3.240	62	54776	1.980	ppbv		98
38) Trichloroethene	4.574	130	41427	2.559	ppbv		91
39) 1,2-Dichloropropane	4.341	63	21050	1.293	ppbv		94
40) 1,4-Dioxane	4.629	88	18864	2.994	ppbv	#	71
41) Tetrahydrofuran	3.078	42	44570	2.726	ppbv		97
42) Bromodichloromethane	4.515	83	75424	2.324	ppbv		96
43) Methyl Methacrylate	4.910	69	19569	1.481	ppbv	#	1
44) 2,2,4-Trimethylpentane	4.674	57	180117	2.597	ppbv		100
45) t-1,3-Dichloropropene	6.454	75	43372	3.361	ppbv		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
Data File : VL041860.D
Acq On : 09 Jan 2025 11:52
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Jan 10 00:14:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Jan 10 00:10:04 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.635	75	55051	3.240	ppbv		90
47)	1,1,2-Trichloroethane	6.616	97	21227	1.234	ppbv		96
48)	Dibromochloromethane	7.419	129	61313	2.797	ppbv		98
49)	Bromoform	9.506	173	53734	3.059	ppbv		99
50)	4-Methyl-2-Pentanone	5.797	43	108191	2.696	ppbv		99
51)	2-Hexanone	7.470	43	90844	2.991	ppbv	#	98
52)	Tetrachloroethene	8.250	164	37701	3.021	ppbv		94
53)	Toluene	6.969	91	125295	3.345	ppbv		97
54)	1,2-Dibromoethane	7.681	107	54562	2.587	ppbv		98
56)	1,1,1,2-Tetrachloroethane	8.946	131	51252	2.240	ppbv		97
57)	Chlorobenzene	8.946	112	94006	2.242	ppbv		95
58)	Ethyl Benzene	9.377	91	177814	3.250	ppbv		98
59)	m/p-Xylene	9.552	91	157253	3.262	ppbv	#	100
60)	o-Xylene	9.985	91	138722	2.953	ppbv		100
61)	Styrene	9.891	104	68864	3.779	ppbv		100
62)	Isopropylbenzene	10.558	105	212705	2.882	ppbv		99
63)	1,1,2,2-Tetrachloroethane	9.985	83	82870	2.012	ppbv		99
64)	n-propylbenzene	11.008	120	54888	2.899	ppbv		97
65)	tert-Butylbenzene	11.549	119	196649	2.957	ppbv		99
66)	Benzyl Chloride	11.636	91	20300	3.644	ppbv		99
67)	sec-Butylbenzene	11.785	105	270495	2.787	ppbv		98
69)	p-Isopropyltoluene	11.943	119	229731	3.015	ppbv		100
70)	n-Butylbenzene	12.299	91	230497	3.011	ppbv		100
71)	2-Chlorotoluene	10.921	91	161864	3.021	ppbv		99
72)	4-Ethyltoluene	11.144	105	175142	3.083	ppbv		100
73)	1,3,5-Trimethylbenzene	11.222	105	146927	2.953	ppbv		99
74)	1,2,4-Trimethylbenzene	11.555	105	163980	2.845	ppbv		97
75)	1,3-Dichlorobenzene	11.626	146	95654	2.480	ppbv		99
76)	1,4-Dichlorobenzene	11.691	146	95164	2.564	ppbv		100
77)	1,2-Dichlorobenzene	11.966	146	90047	2.240	ppbv		99
78)	Hexachloro-1,3-Butadiene	13.898	225	81017	2.839	ppbv		99
79)	Naphthalene	13.529	128	181703	4.280	ppbv		99
80)	Naphthalene,2-methyl-	14.474	142	107211	6.823	ppbv		100
81)	1,2,4-Trichlorobenzene	13.458	180	86805	3.689	ppbv		99

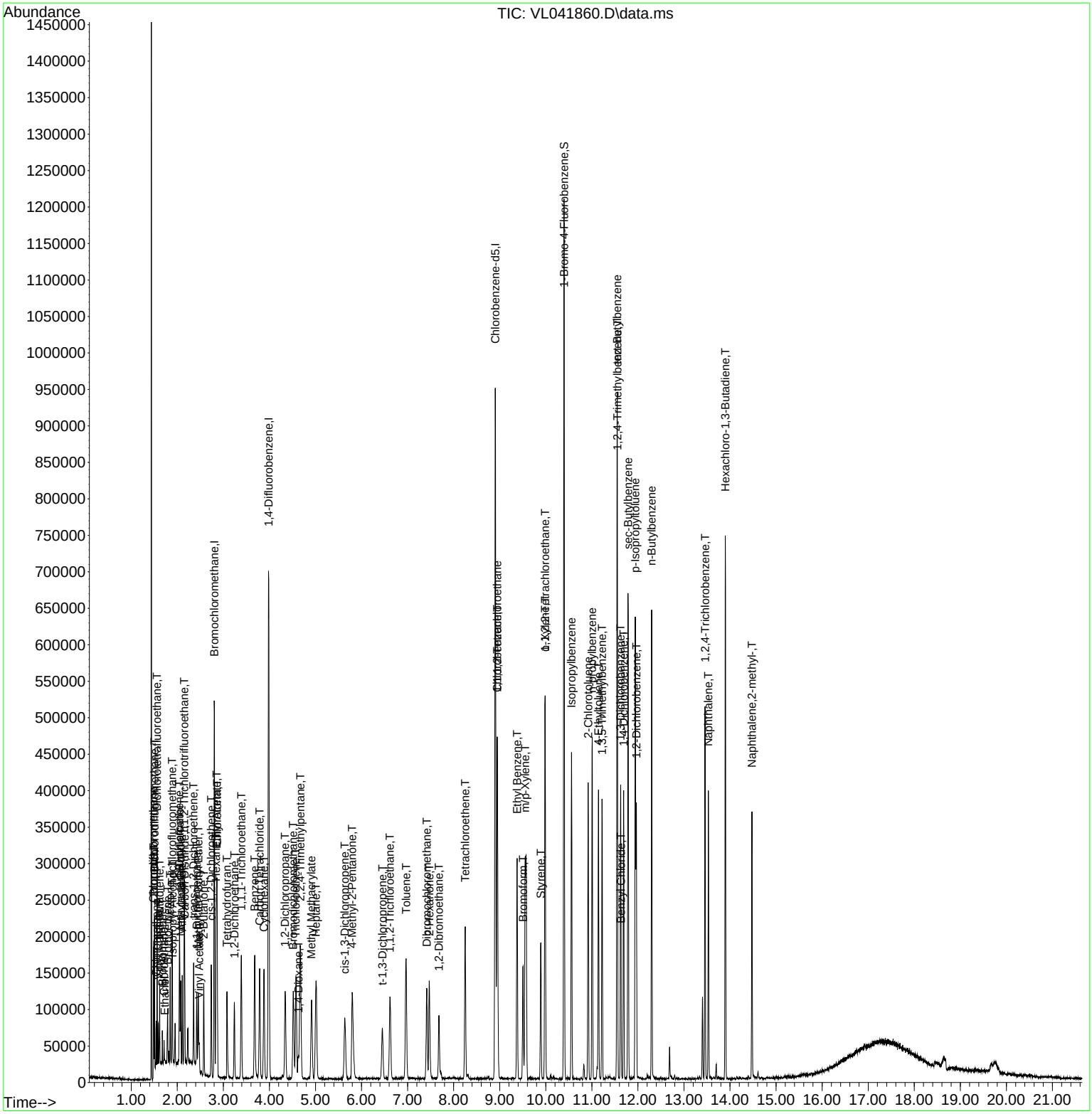
(#) = qualifier out of range (m) = manual integration (+) = signals summed

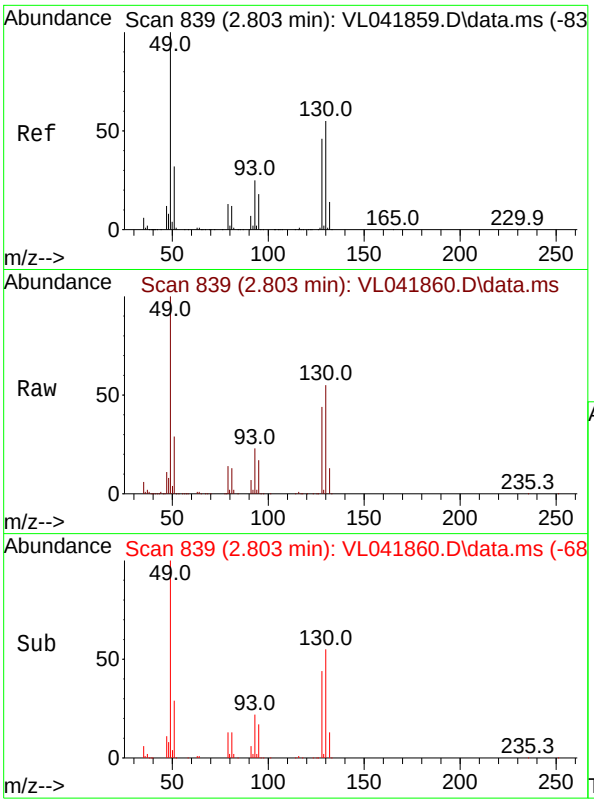
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
Data File : VL041860.D
Acq On : 09 Jan 2025 11:52
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Jan 10 00:14:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Jan 10 00:10:04 2025
Response via : Initial Calibration



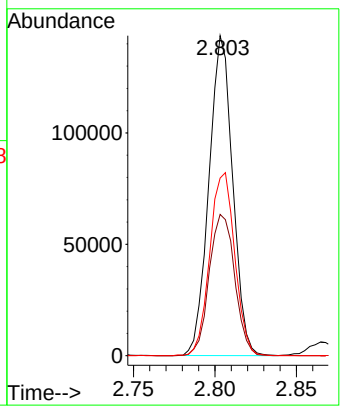


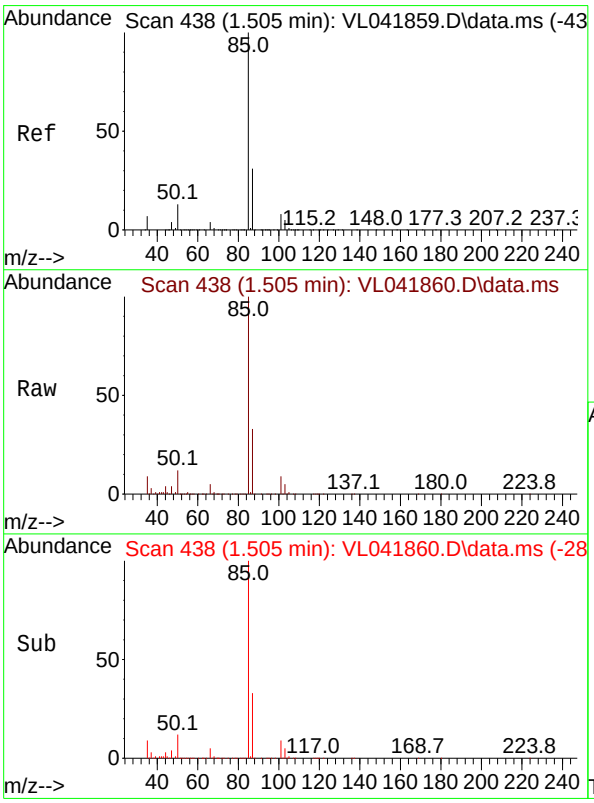
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 145561

Ion	Ratio	Lower	Upper
49	100		
128	47.5	23.2	69.5
130	60.1	29.9	89.8

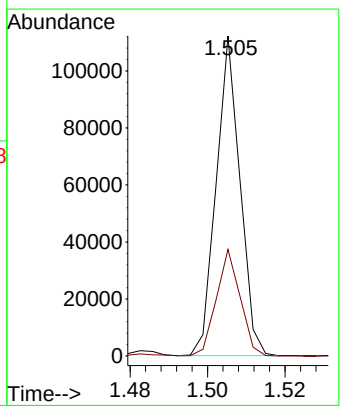


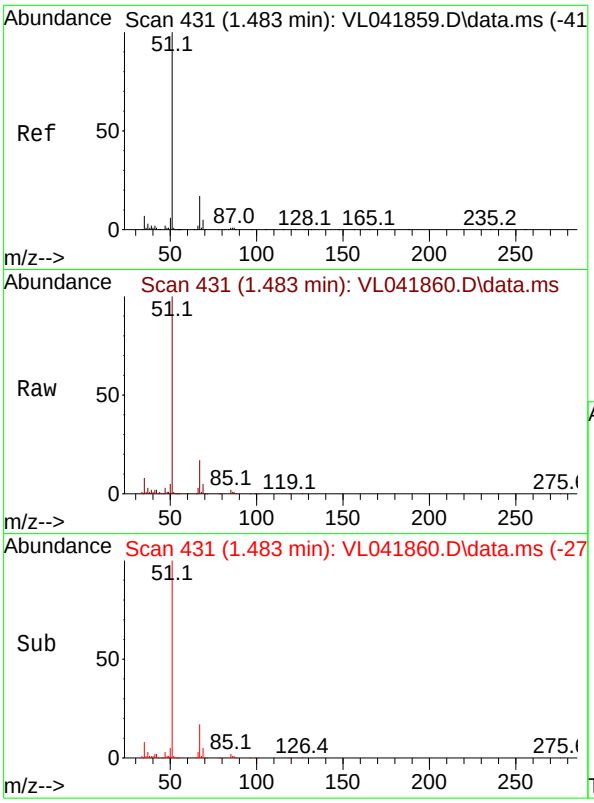


#2
Dichlorodifluoromethane
Concen: 2.003 ppbv
RT: 1.505 min Scan# 438
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 85 Resp: 47849

Ion	Ratio	Lower	Upper
85	100		
87	33.4	25.2	37.8



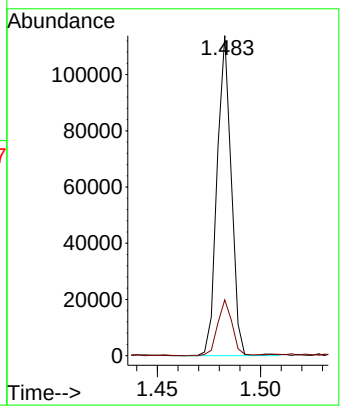


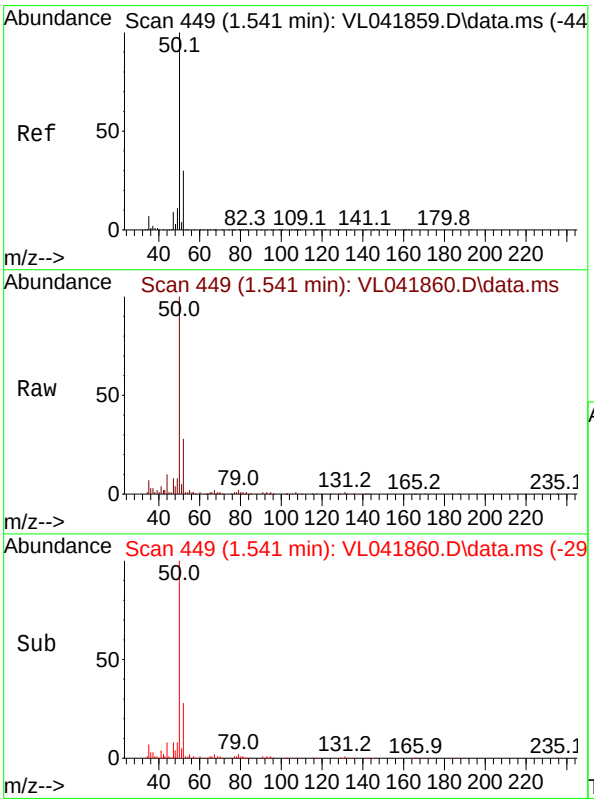
#3
Chlorodifluoromethane
Concen: 2.387 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 54474

Ion	Ratio	Lower	Upper
51	100		
67	18.6	13.8	20.8

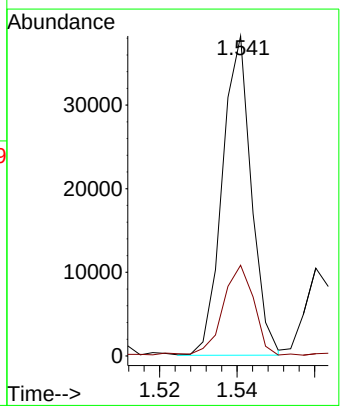


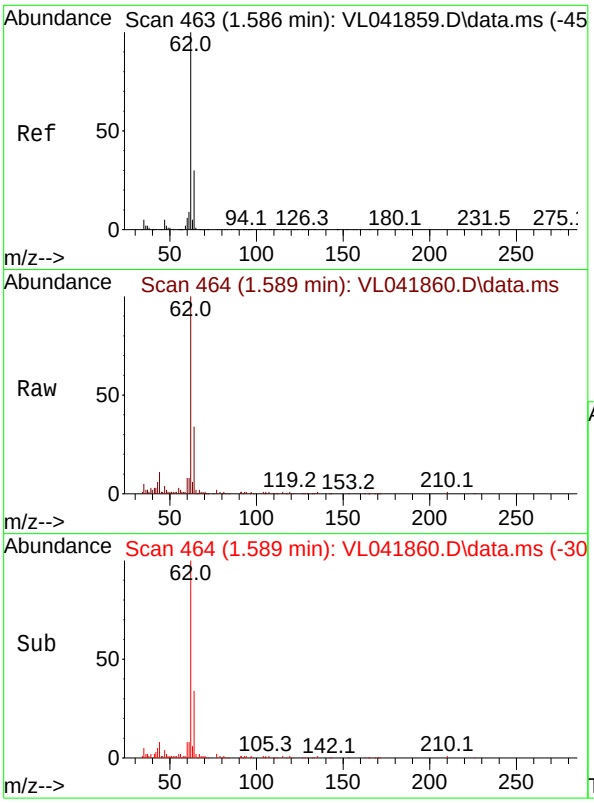


#4
Chloromethane
Concen: 2.024 ppbv
RT: 1.541 min Scan# 449
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 50 Resp: 19879

Ion	Ratio	Lower	Upper
50	100		
52	28.1	23.9	35.9



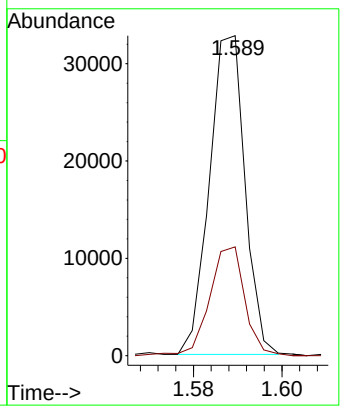


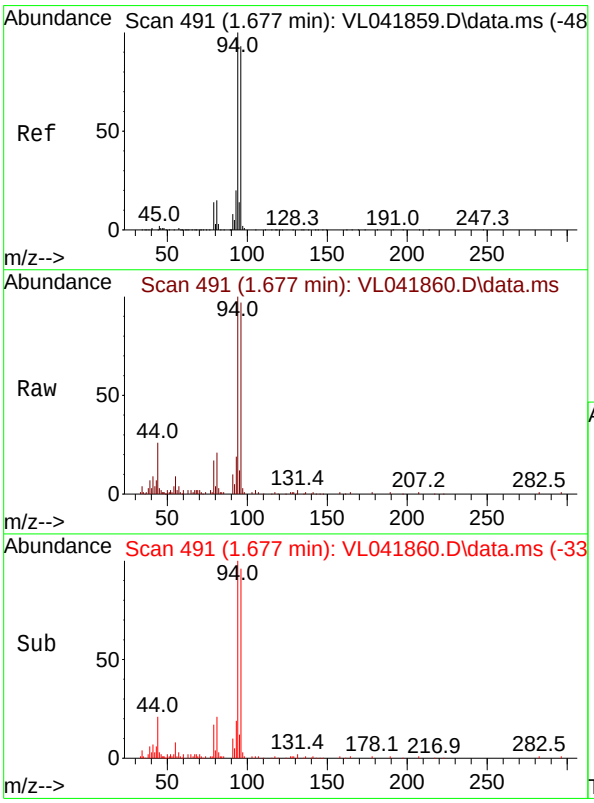
#5
Vinyl Chloride
Concen: 1.846 ppbv
RT: 1.589 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 18283

Ion	Ratio	Lower	Upper
62	100		
64	33.5	24.1	36.1

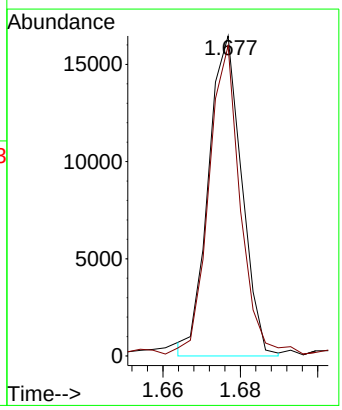


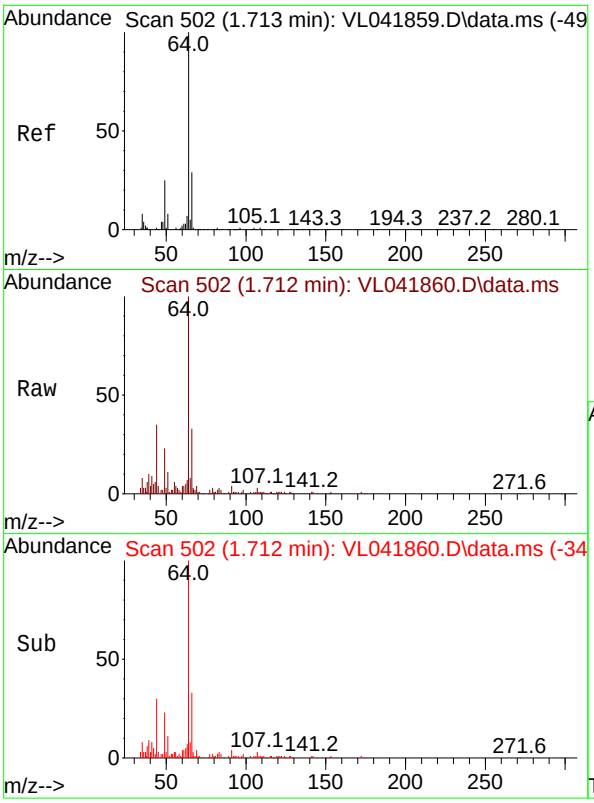


#6
Bromomethane
Concen: 2.310 ppbv
RT: 1.677 min Scan# 491
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 94 Resp: 9801

Ion	Ratio	Lower	Upper
94	100		
96	95.3	74.8	112.2



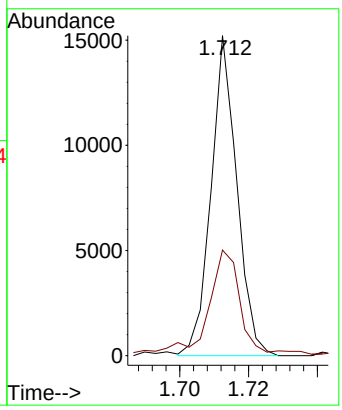


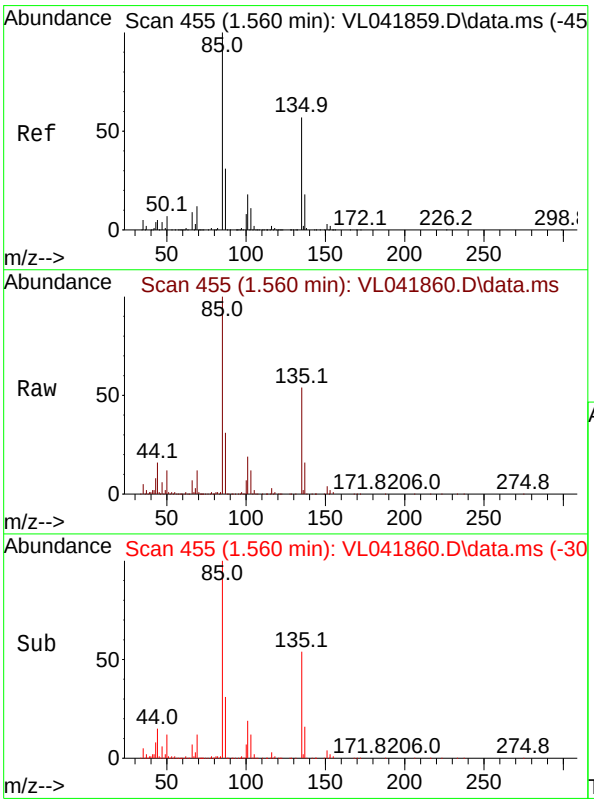
#7
Chloroethane
Concen: 2.084 ppbv
RT: 1.712 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 7947

Ion	Ratio	Lower	Upper
64	100		
66	33.0	23.0	34.6

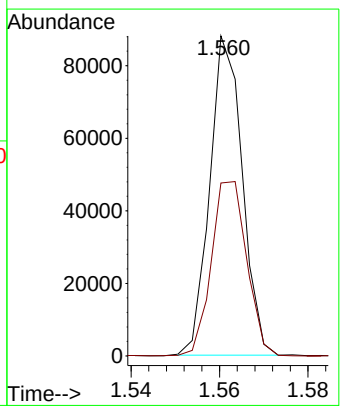


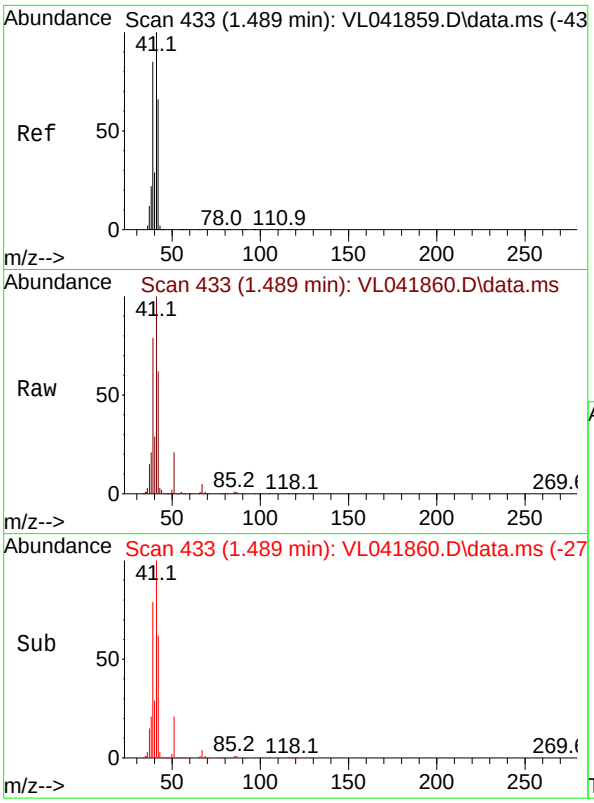


#8
Dichlorotetrafluoroethane
Concen: 2.176 ppbv
RT: 1.560 min Scan# 455
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 85 Resp: 44848

Ion	Ratio	Lower	Upper
85	100		
135	60.3	52.2	78.4



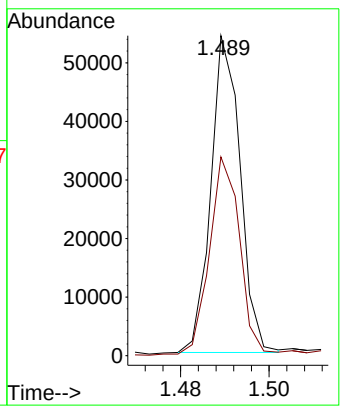


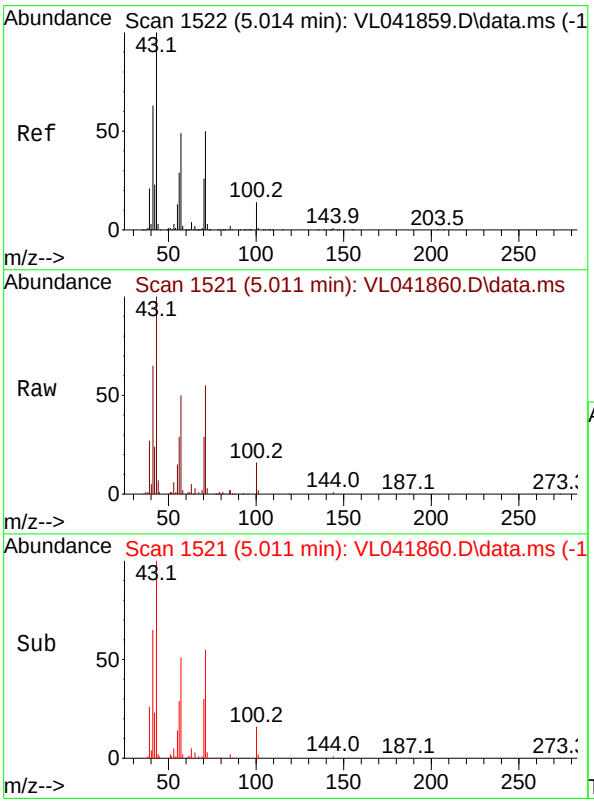
#9
Propene
Concen: 3.136 ppbv
RT: 1.489 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 24915

Ion	Ratio	Lower	Upper
41	100		
42	68.1	53.0	79.6

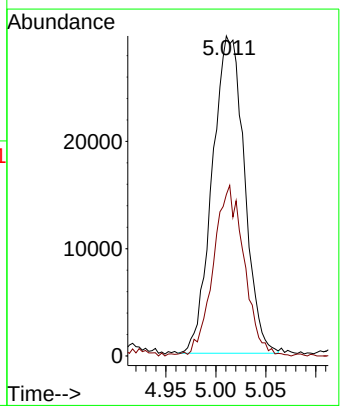


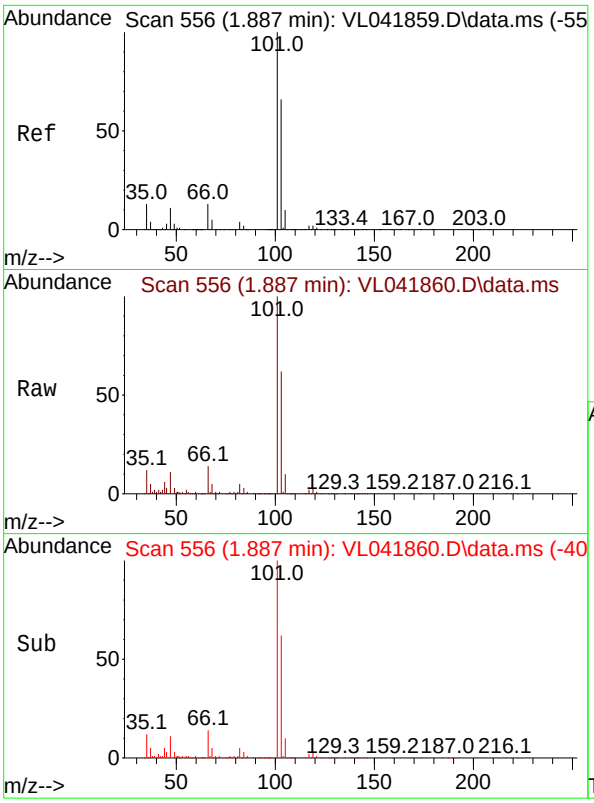


#10
Heptane
Concen: 3.369 ppbv
RT: 5.011 min Scan# 1521
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 43 Resp: 66122

Ion	Ratio	Lower	Upper
43	100		
57	52.2	40.2	60.2



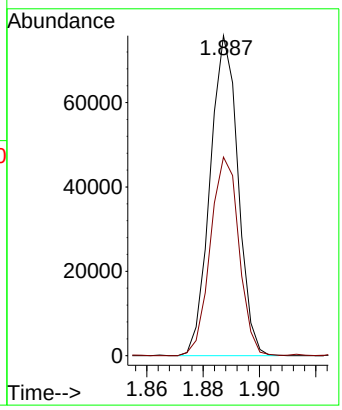


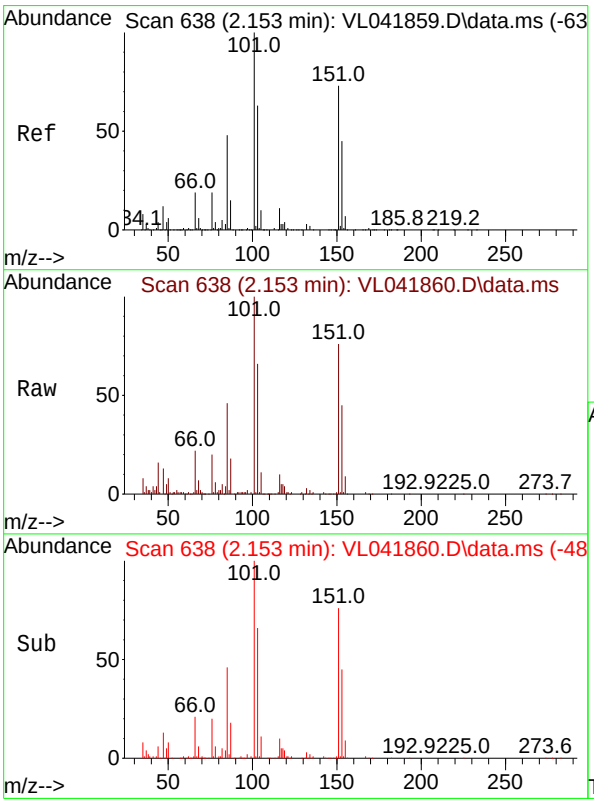
#11
Trichlorofluoromethane
Concen: 2.150 ppbv
RT: 1.887 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 52216

Ion	Ratio	Lower	Upper
101	100		
103	62.1	52.6	78.8

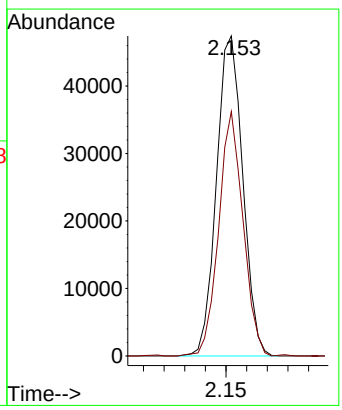


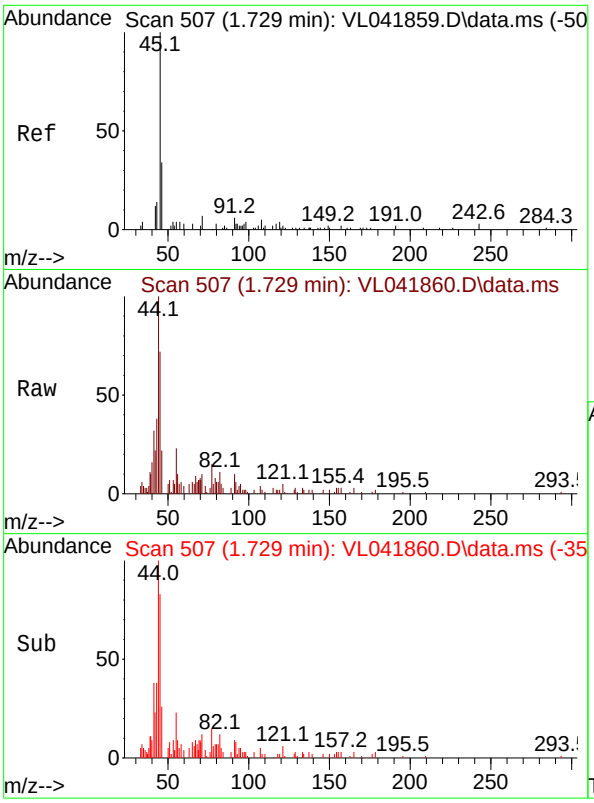


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.322 ppbv
RT: 2.153 min Scan# 638
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion:101 Resp: 41991

Ion	Ratio	Lower	Upper
101	100		
151	70.9	59.4	89.0



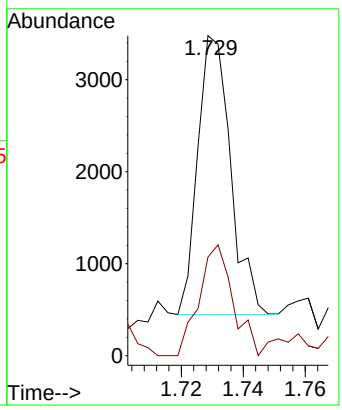


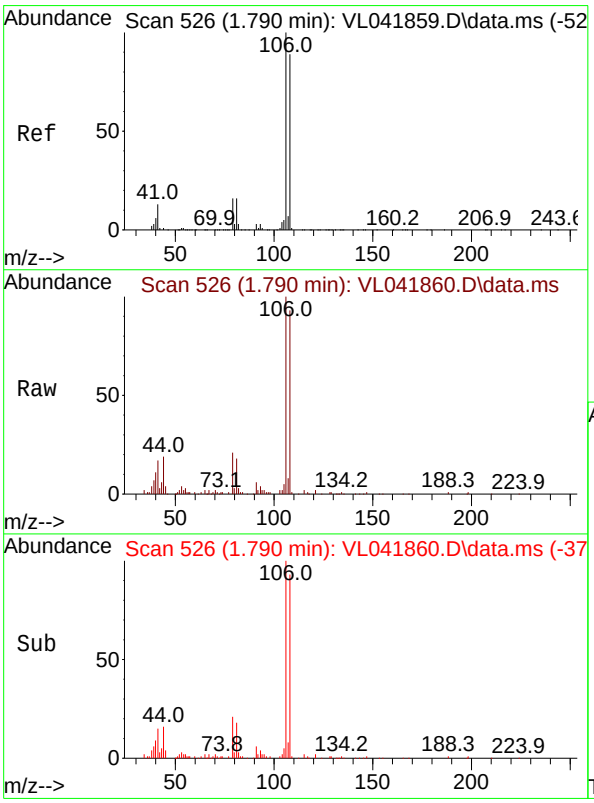
#13
Ethanol
Concen: 2.144 ppbv
RT: 1.729 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 2238

Ion	Ratio	Lower	Upper
45	100		
46	57.1	19.0	76.0

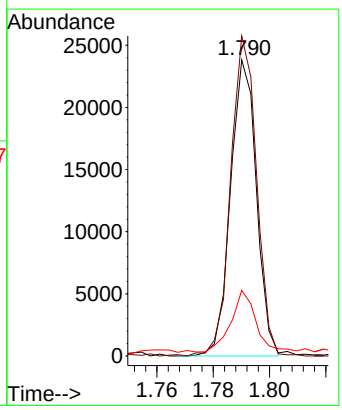


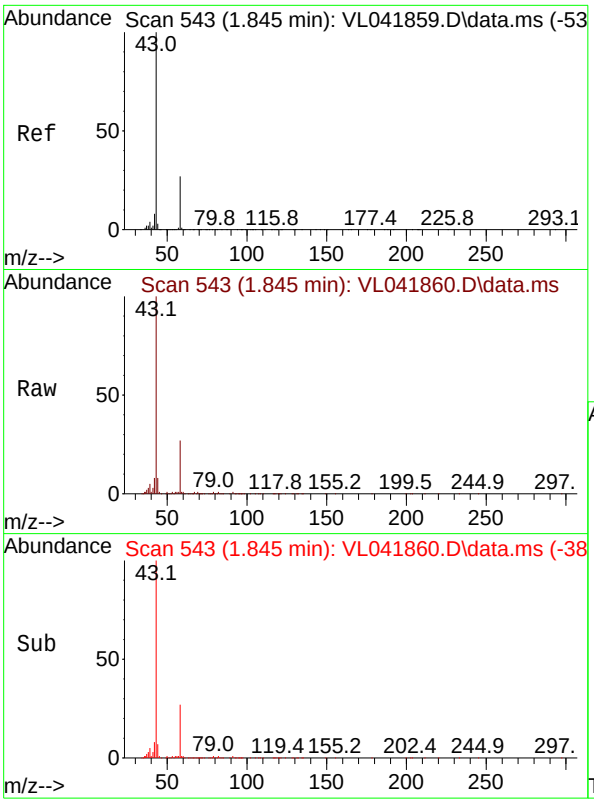


#14
Bromoethene
Concen: 2.568 ppbv
RT: 1.790 min Scan# 526
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion:108 Resp: 15205

Ion	Ratio	Lower	Upper
108	100		
106	108.0	86.9	130.3
79	24.2	15.6	23.4#



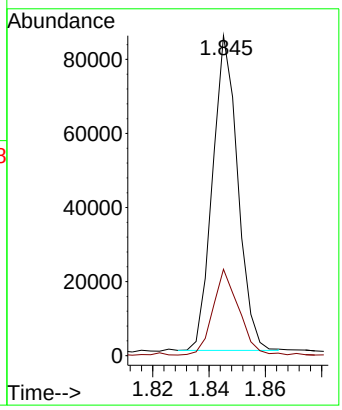


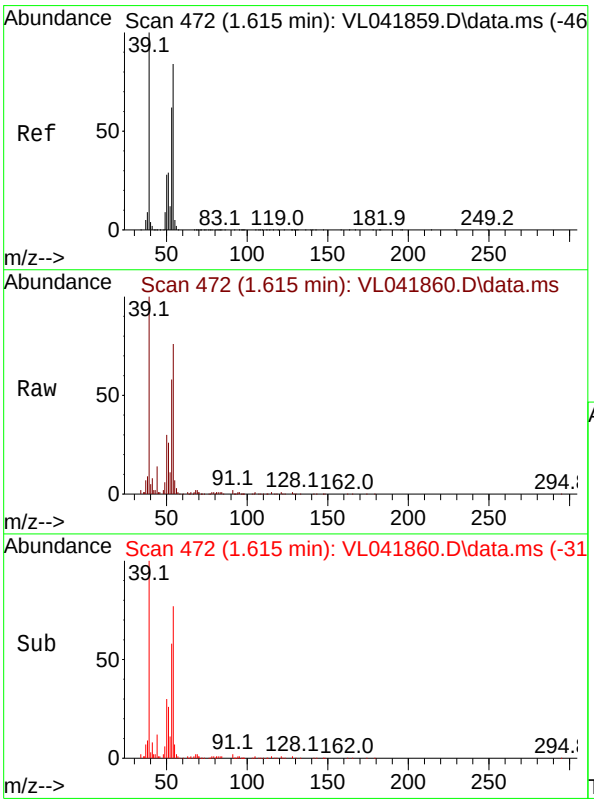
#15
Acetone
Concen: 1.975 ppbv
RT: 1.845 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 52918

Ion	Ratio	Lower	Upper
43	100		
58	31.0	22.7	34.1

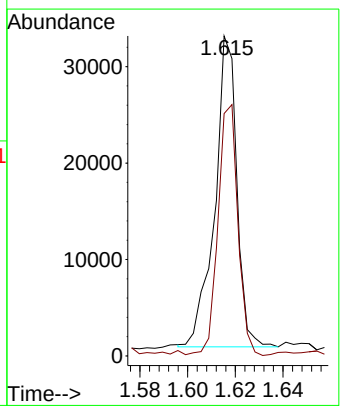


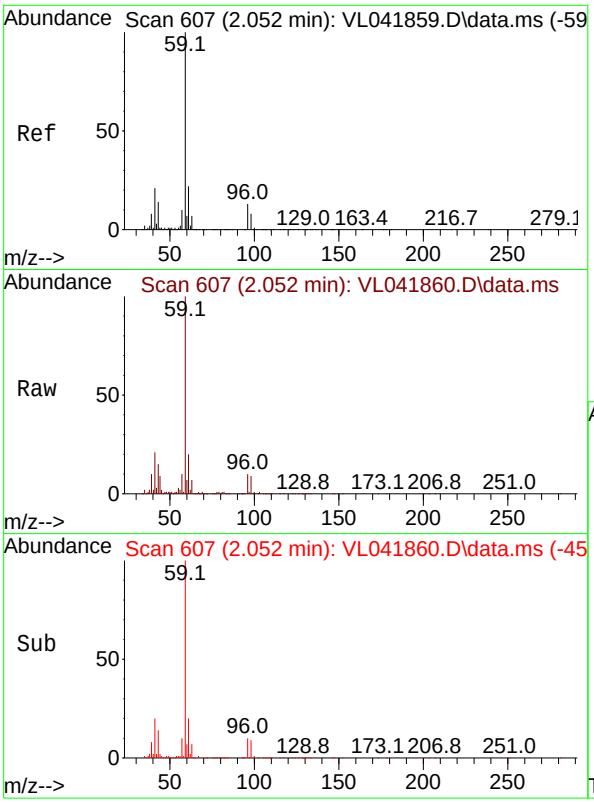


#16
1,3-Butadiene
Concen: 1.966 ppbv
RT: 1.615 min Scan# 472
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 39 Resp: 20658

Ion	Ratio	Lower	Upper
39	100		
54	72.3	60.1	90.1



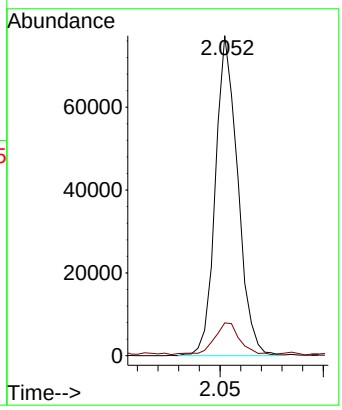


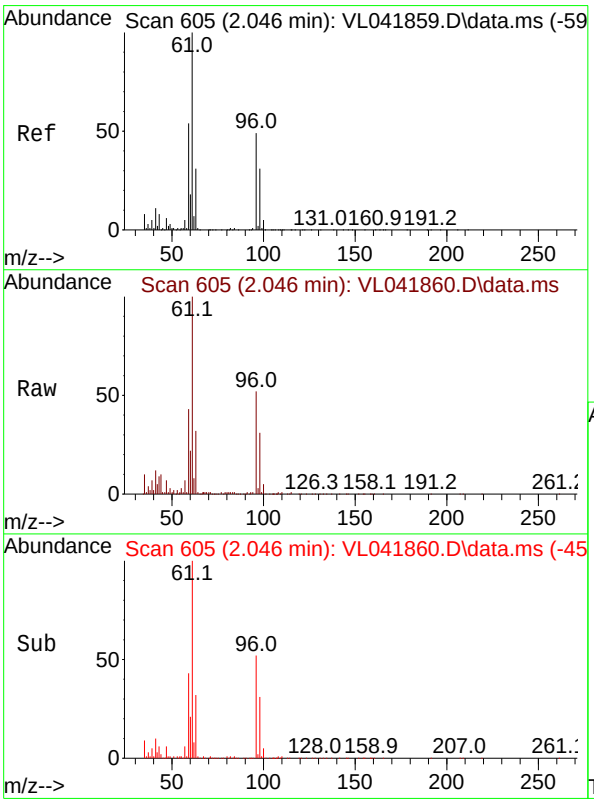
#17
tert-Butyl alcohol
Concen: 2.502 ppbv
RT: 2.052 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 59 Resp: 58092

Ion	Ratio	Lower	Upper
59	100		
57	12.1	8.2	12.4

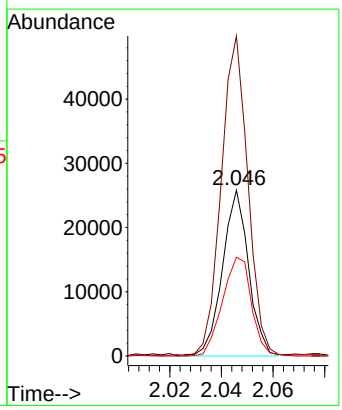


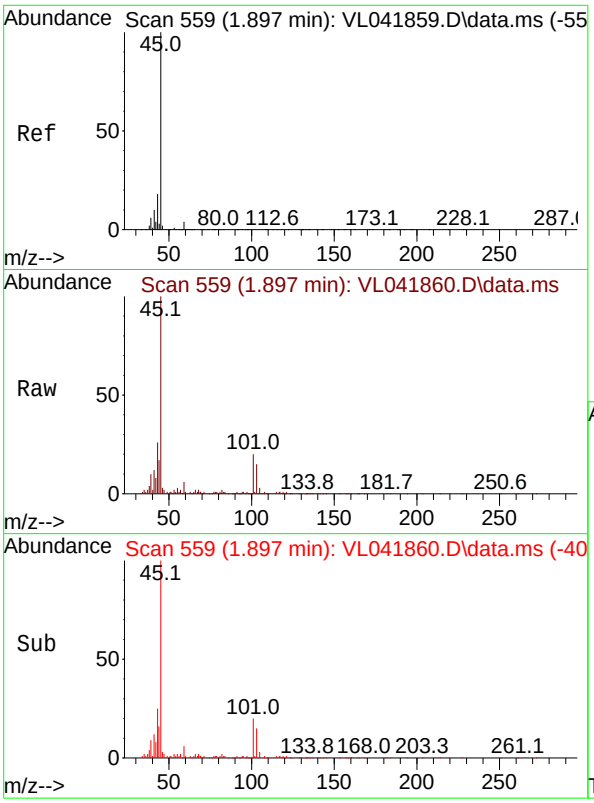


#18
1,1-Dichloroethene
Concen: 2.397 ppbv
RT: 2.046 min Scan# 605
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 96 Resp: 18153

Ion	Ratio	Lower	Upper
96	100		
61	193.0	161.7	242.5
98	58.6	51.0	76.4





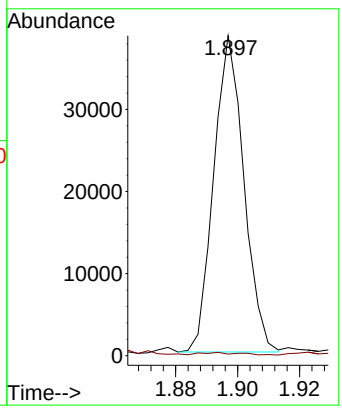
#19
Isopropyl Alcohol
Concen: 2.069 ppbv
RT: 1.897 min Scan# 5

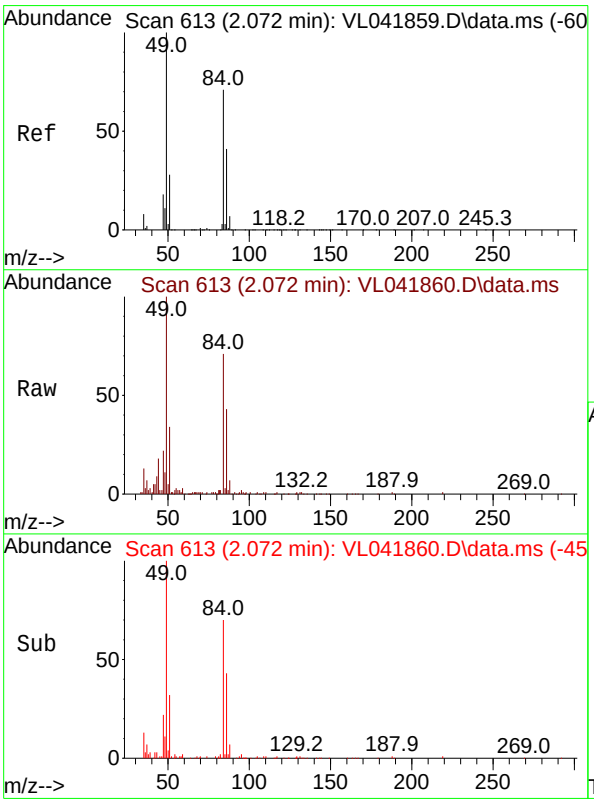
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 45 Resp: 26028

Ion	Ratio	Lower	Upper
45	100		
58	2.7	37.0	55.6#

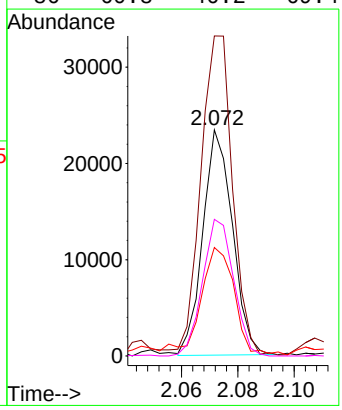


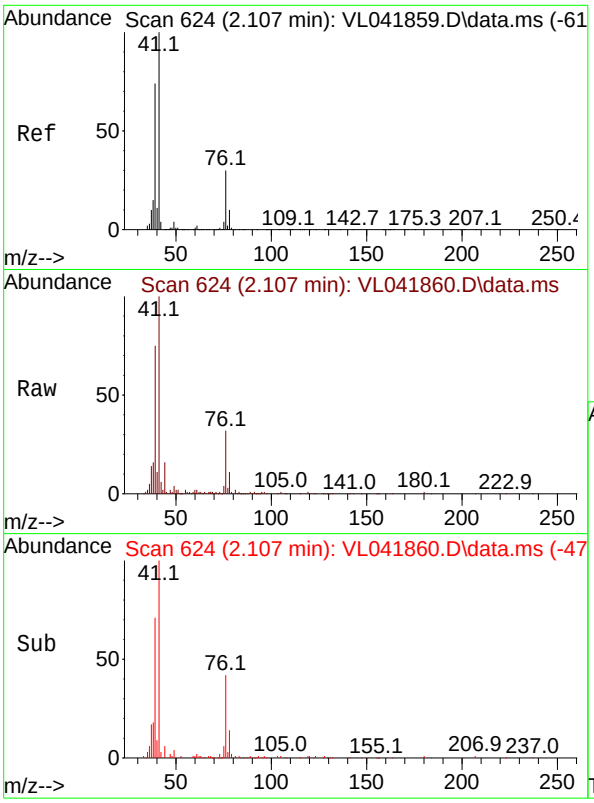


#20
Methylene Chloride
Concen: 2.237 ppbv
RT: 2.072 min Scan# 613
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 84 Resp: 17135

Ion	Ratio	Lower	Upper
84	100		
49	142.1	113.8	170.8
51	46.5	33.5	50.3
86	60.8	46.2	69.4



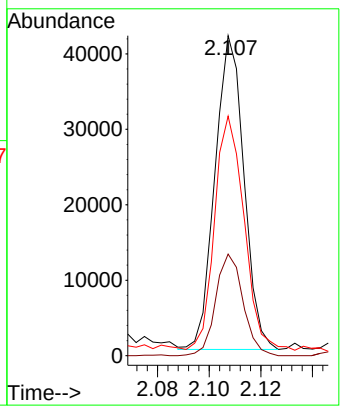


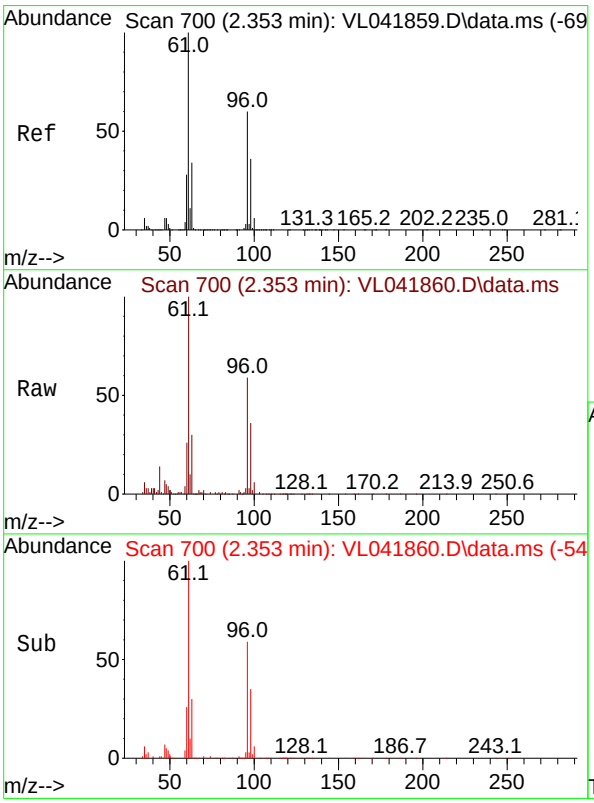
#21
Allyl Chloride
Concen: 2.348 ppbv
RT: 2.107 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 32414

Ion	Ratio	Lower	Upper
41	100		
76	30.6	24.6	36.8
39	74.3	60.1	90.1

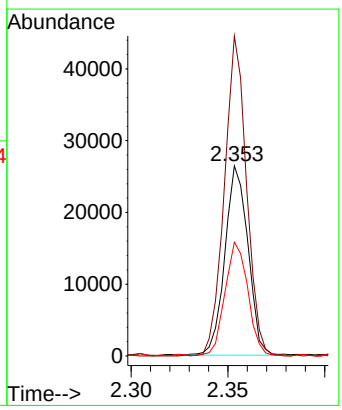


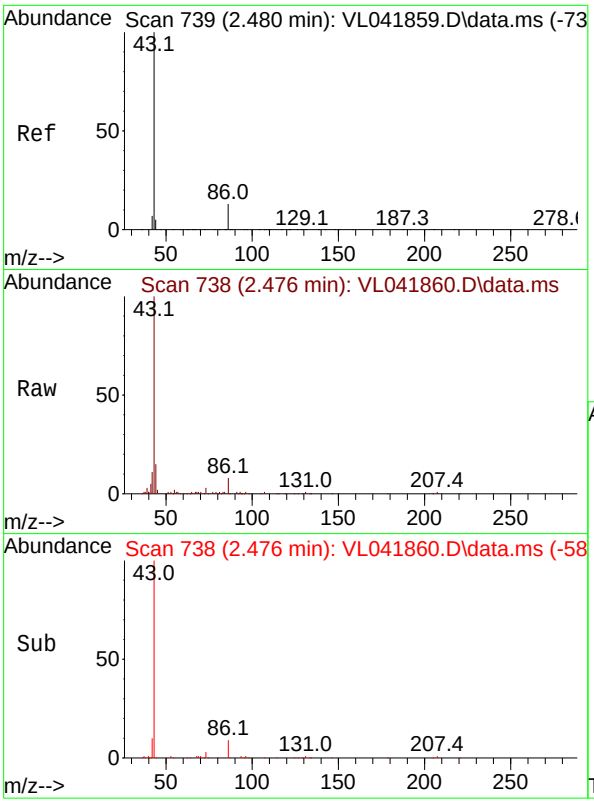


#22
trans-1,2-Dichloroethene
Concen: 2.583 ppbv
RT: 2.353 min Scan# 700
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 96 Resp: 21862

Ion	Ratio	Lower	Upper
96	100		
61	169.1	134.2	201.4
98	59.8	49.0	73.4



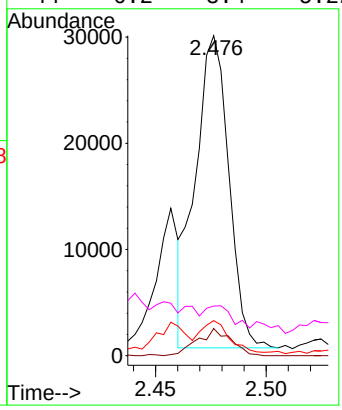


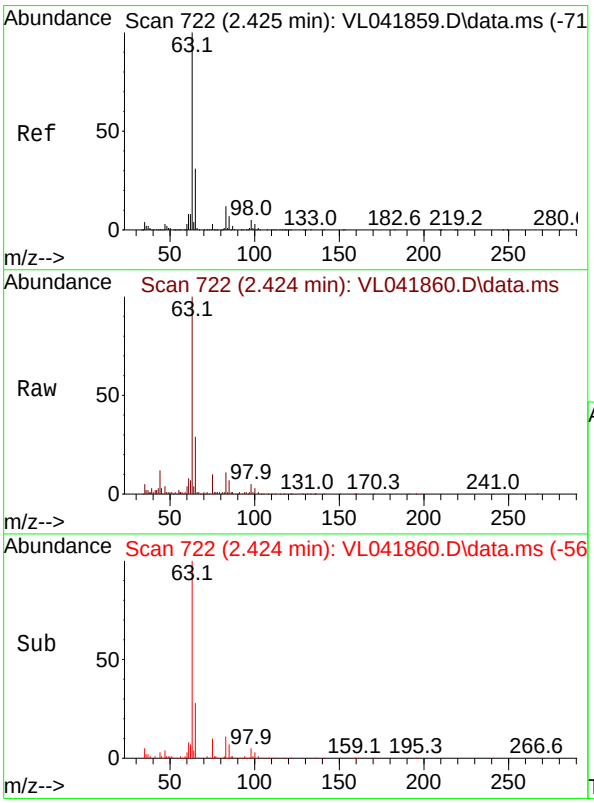
#23
Vinyl Acetate
Concen: 3.710 ppbv
RT: 2.476 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 30926

Ion	Ratio	Lower	Upper
43	100		
86	8.7	7.8	11.6
42	9.9	7.0	10.4
44	6.2	3.4	5.2#

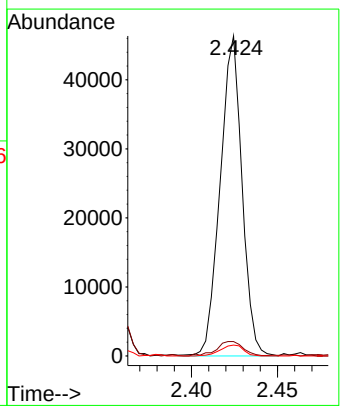


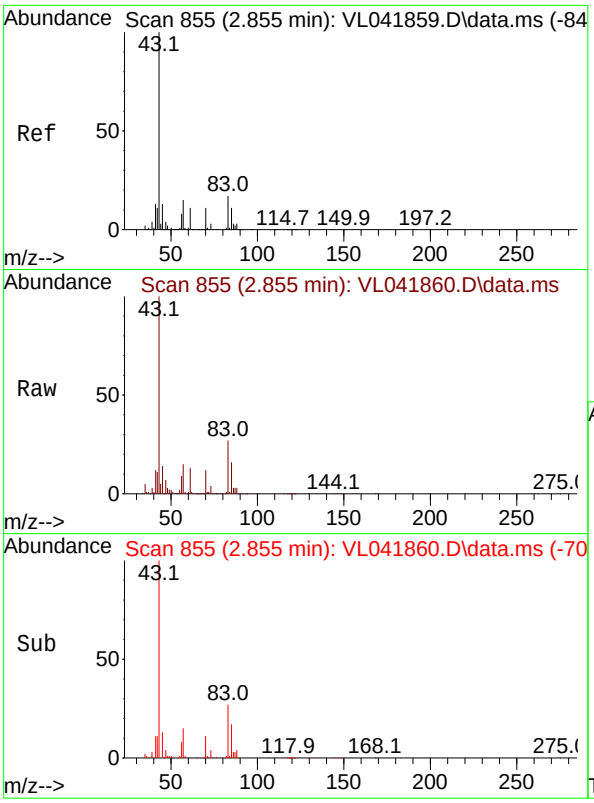


#24
1,1-Dichloroethane
Concen: 2.211 ppbv
RT: 2.424 min Scan# 722
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 63 Resp: 40950

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.3	6.9
100	3.4	1.3	3.8



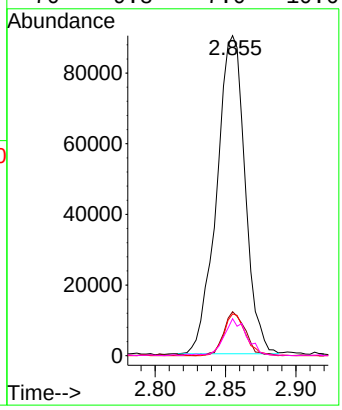


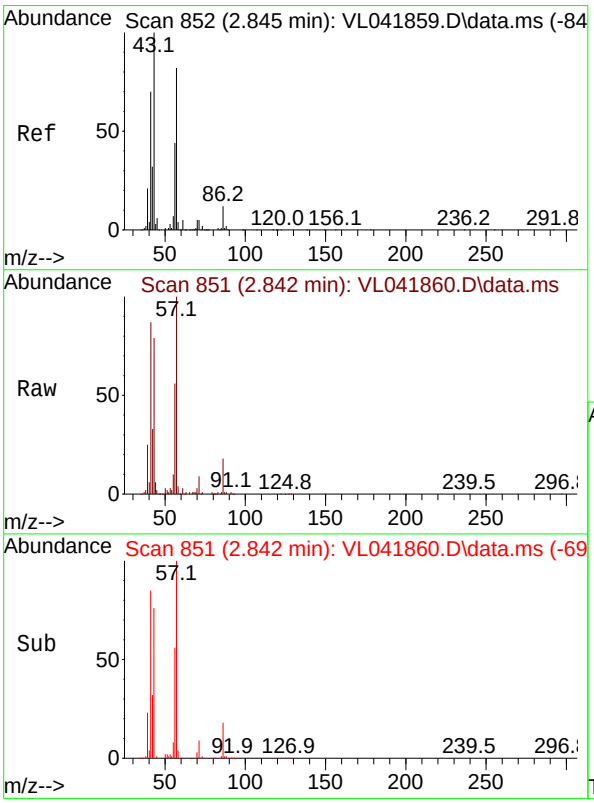
#25
Ethyl Acetate
Concen: 2.807 ppbv
RT: 2.855 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 126167

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.4	12.6
61	10.1	7.3	10.9
70	9.8	7.0	10.6

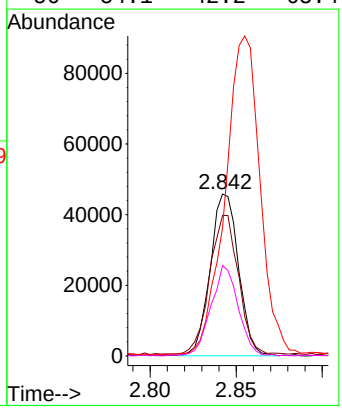


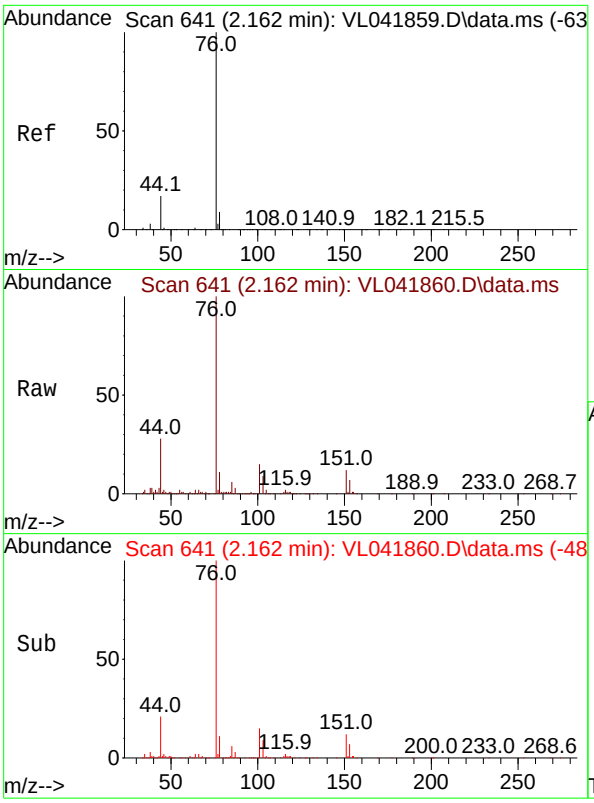


#26
Hexane
Concen: 3.352 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 57 Resp: 52287

Ion	Ratio	Lower	Upper
57	100		
41	91.7	71.5	107.3
43	247.6	200.2	300.4
56	54.1	42.2	63.4



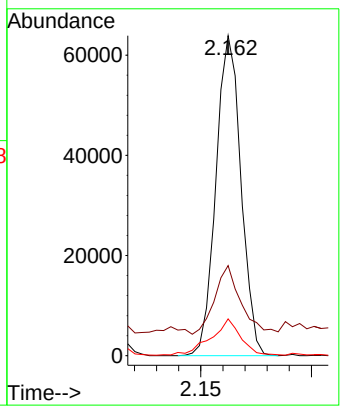


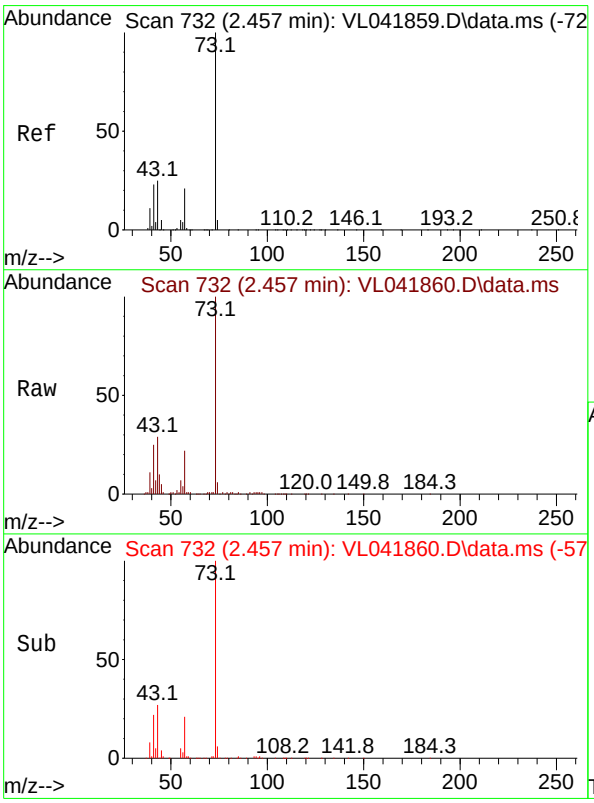
#27
Carbon Disulfide
Concen: 3.401 ppbv
RT: 2.162 min Scan# 64
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 76 Resp: 50347

Ion	Ratio	Lower	Upper
76	100		
44	46.8	13.1	19.7#
78	13.6	9.5	14.3

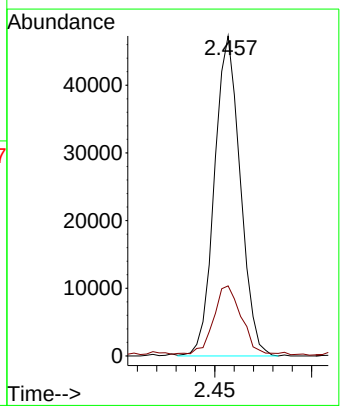


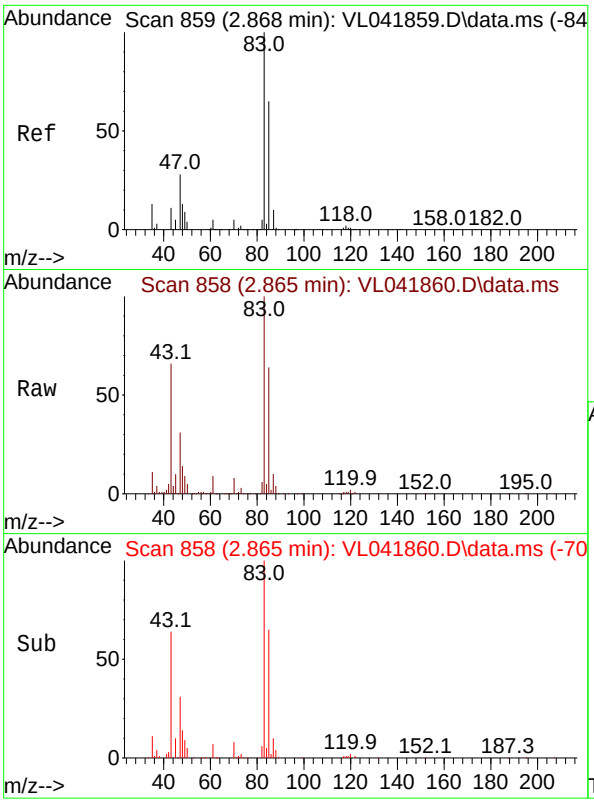


#28
Methyl tert-Butyl Ether
Concen: 3.724 ppbv
RT: 2.457 min Scan# 732
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 73 Resp: 43777

Ion	Ratio	Lower	Upper
73	100		
57	24.7	17.5	26.3



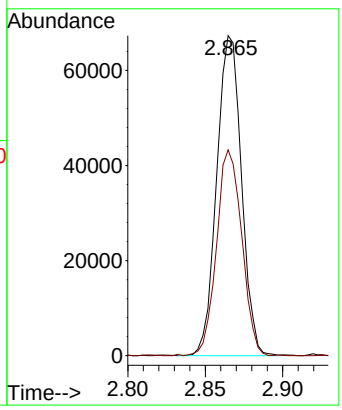


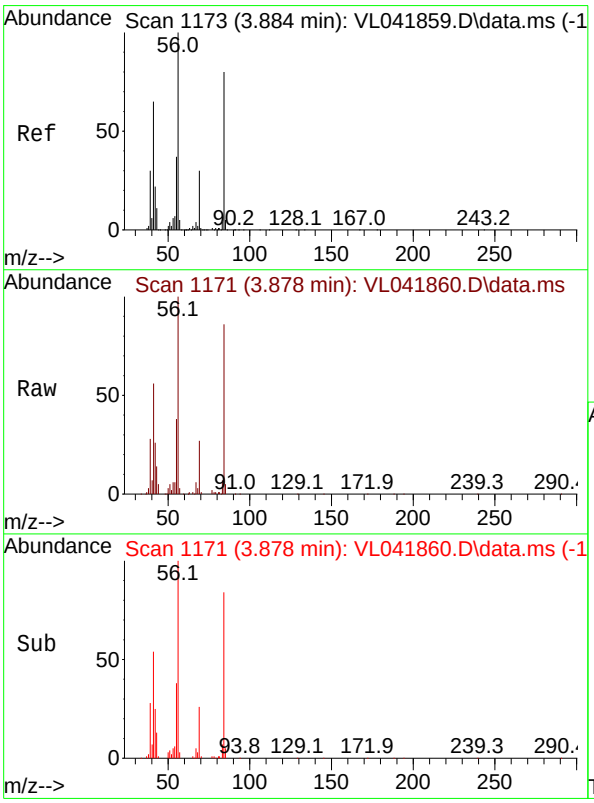
#29
Chloroform
Concen: 2.583 ppbv
RT: 2.865 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 74846

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.7	77.5

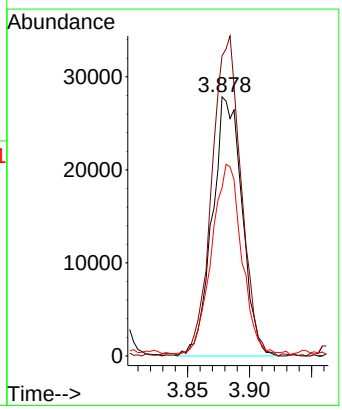


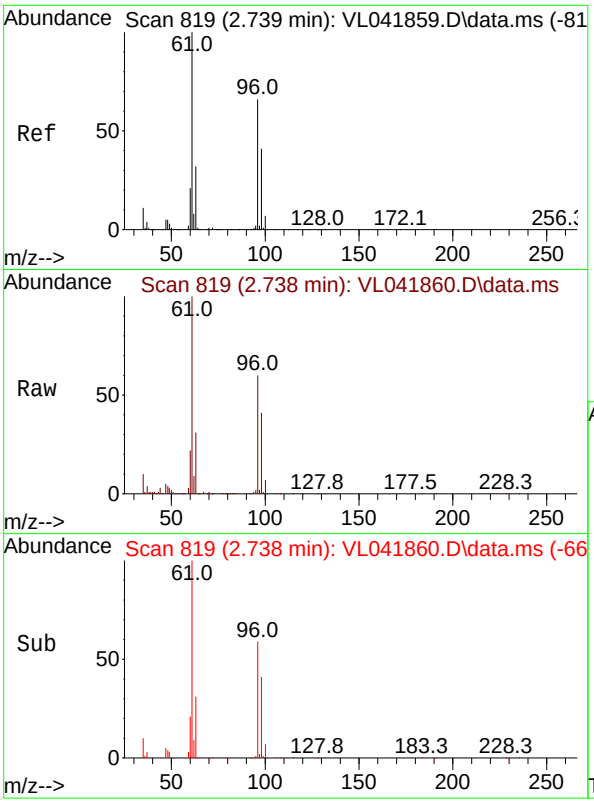


#30
Cyclohexane
Concen: 3.935 ppbv
RT: 3.878 min Scan# 1171
Delta R.T. -0.007 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 84 Resp: 46542

Ion	Ratio	Lower	Upper
84	100		
56	121.6	100.7	151.1
41	73.1	62.8	94.2



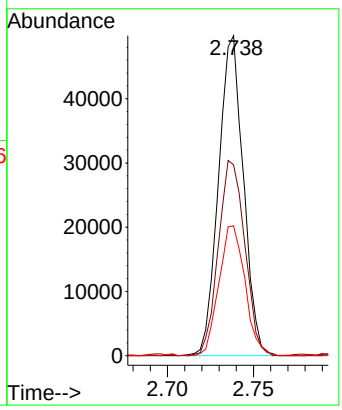


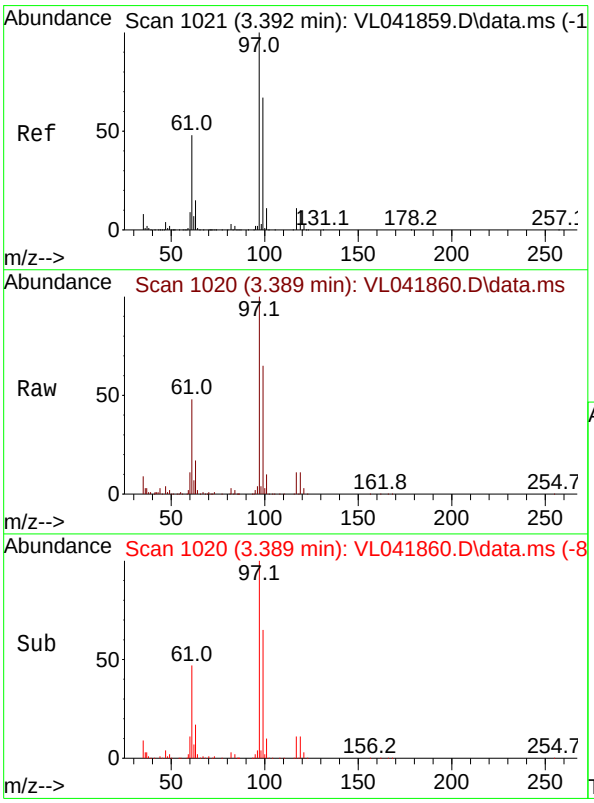
#31
cis-1,2-Dichloroethene
Concen: 3.120 ppbv
RT: 2.738 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 61 Resp: 50096

Ion	Ratio	Lower	Upper
61	100		
96	59.6	53.2	79.8
98	40.6	32.5	48.7

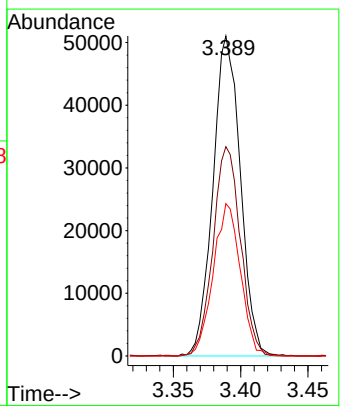


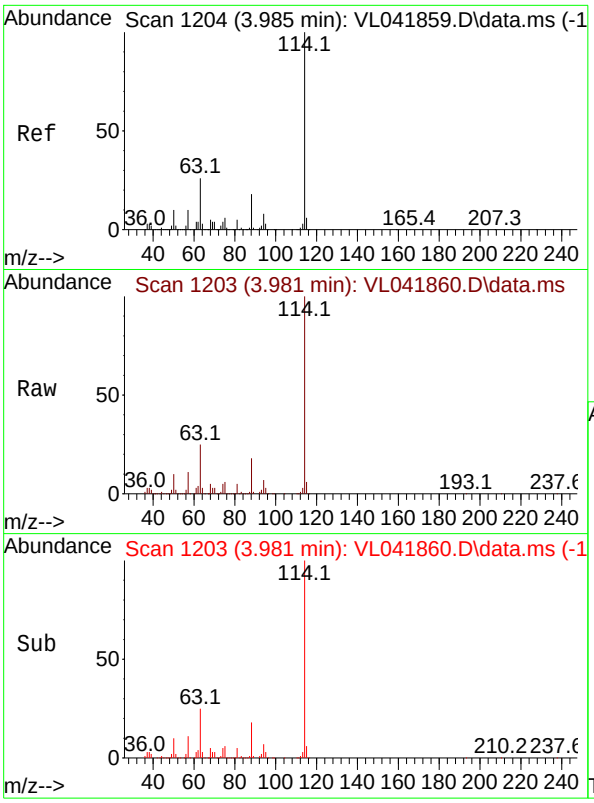


#32
1,1,1-Trichloroethane
Concen: 2.750 ppbv
RT: 3.389 min Scan# 1020
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 97 Resp: 72210

Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.0	78.0
61	47.2	38.8	58.2



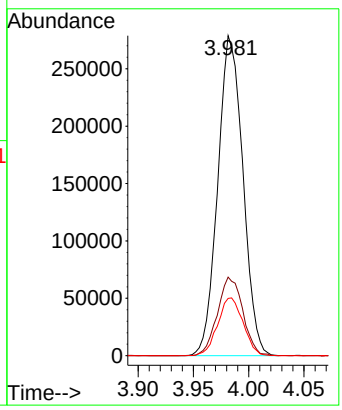


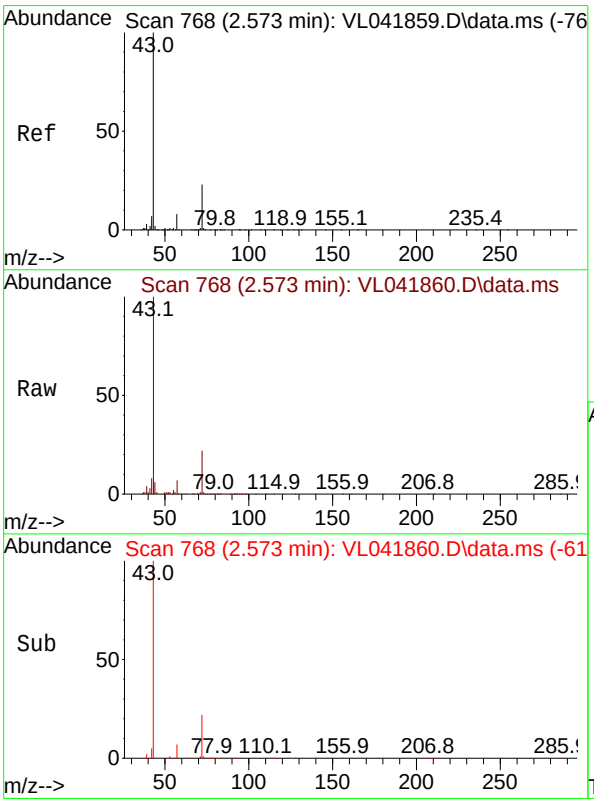
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:114 Resp: 440592

Ion	Ratio	Lower	Upper
114	100		
63	24.8	20.3	30.5
88	18.3	14.6	21.8

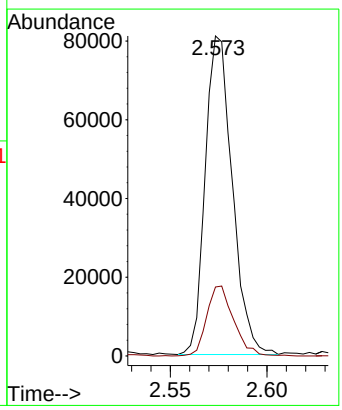


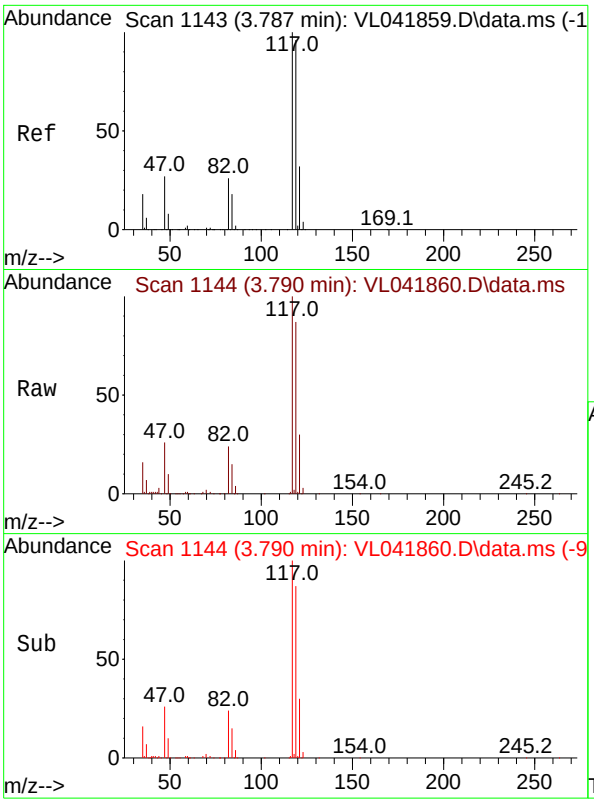


#34
2-Butanone
Concen: 2.267 ppbv
RT: 2.573 min Scan# 768
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 43 Resp: 78681

Ion	Ratio	Lower	Upper
43	100		
72	21.9	18.5	27.7



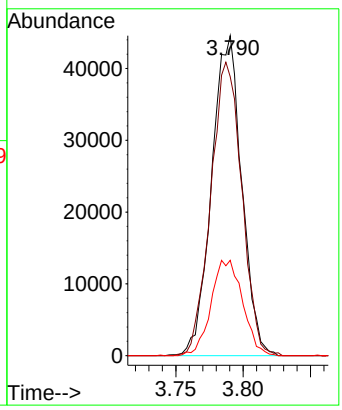


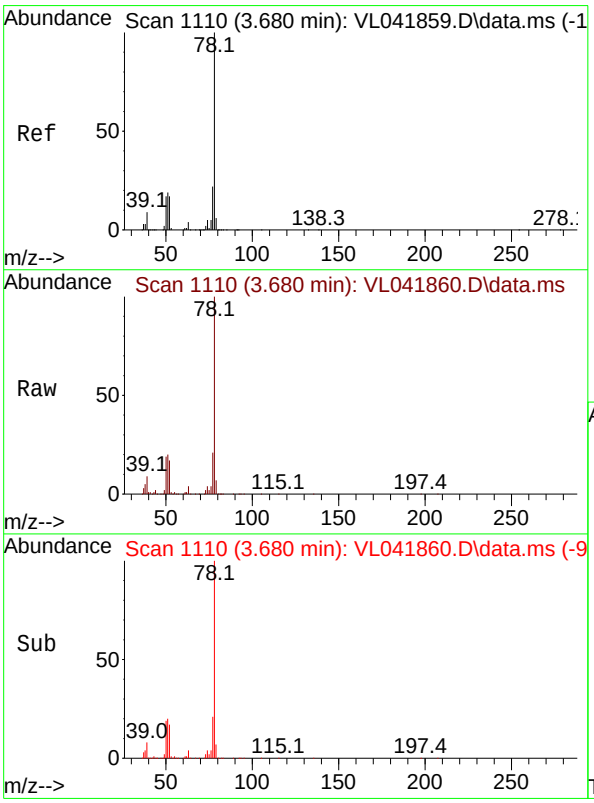
#35
Carbon Tetrachloride
Concen: 2.079 ppbv
RT: 3.790 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 69223

Ion	Ratio	Lower	Upper
117	100		
119	86.8	76.9	115.3
121	29.8	25.9	38.9

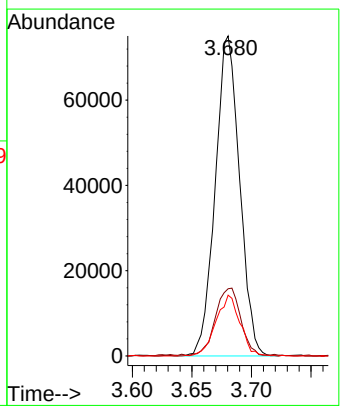


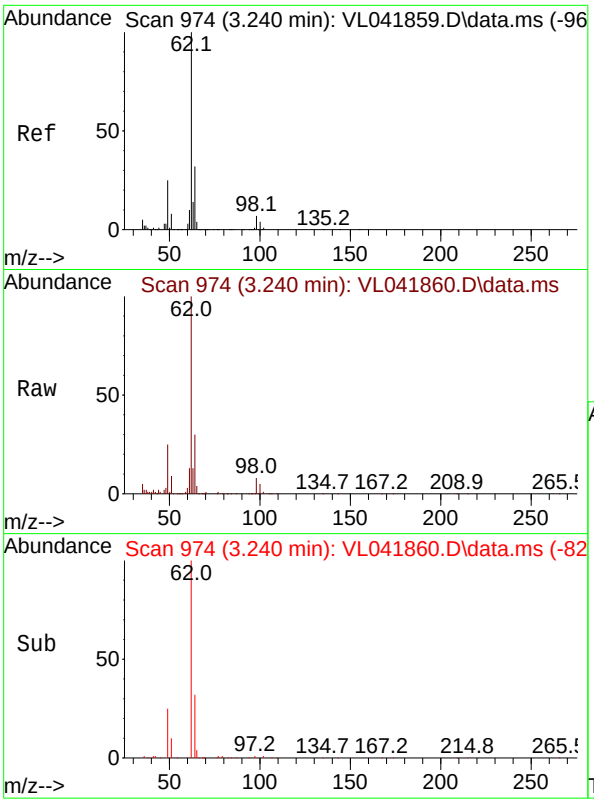


#36
Benzene
Concen: 2.534 ppbv
RT: 3.680 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 78 Resp: 106654

Ion	Ratio	Lower	Upper
78	100		
77	20.8	17.9	26.9
50	19.0	13.7	20.5



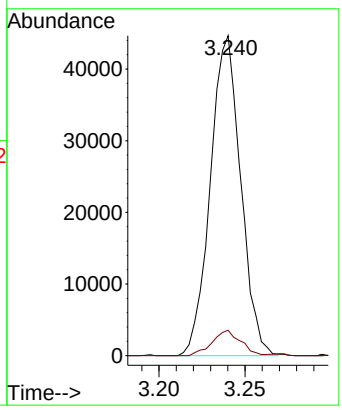


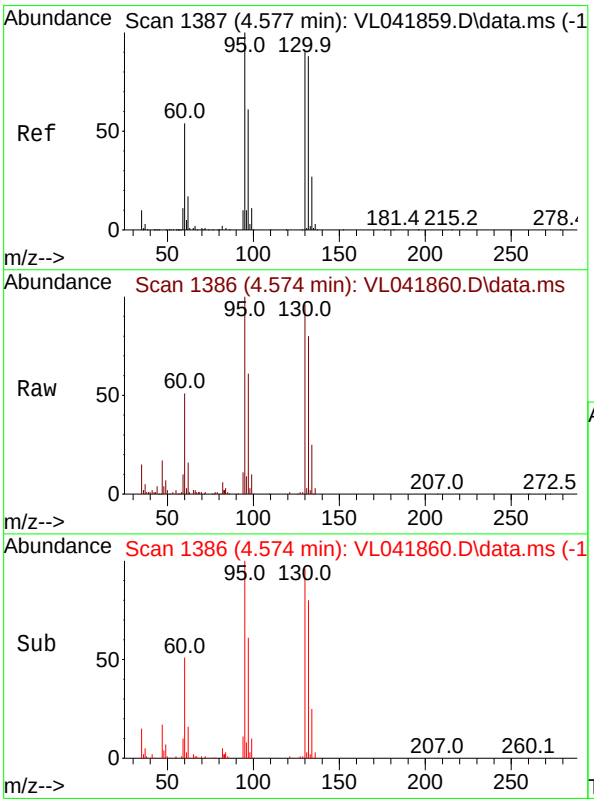
#37
1,2-Dichloroethane
Concen: 1.980 ppbv
RT: 3.240 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 54776

Ion	Ratio	Lower	Upper
62	100		
98	7.8	5.6	8.4

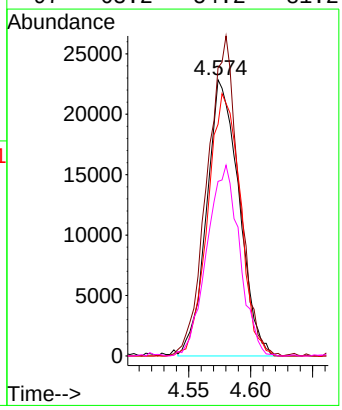


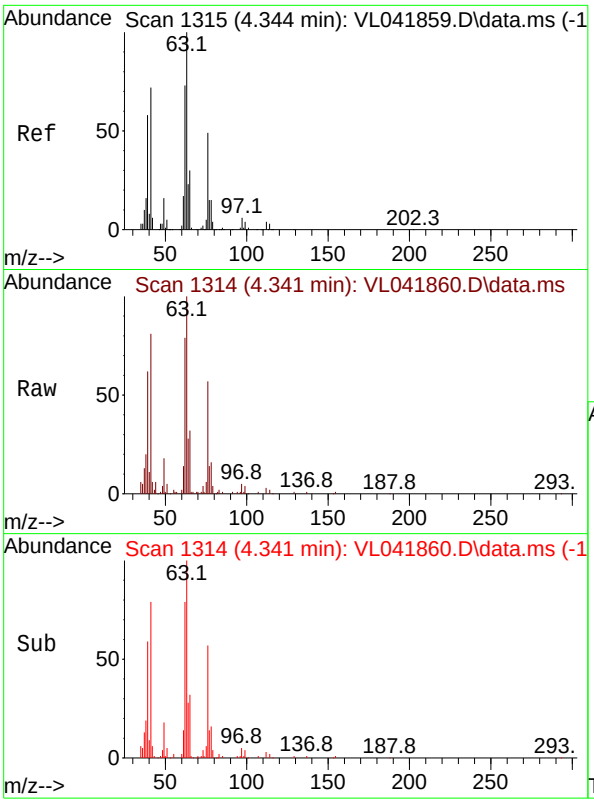


#38
Trichloroethene
Concen: 2.559 ppbv
RT: 4.574 min Scan# 1386
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion:130 Resp: 41427

Ion	Ratio	Lower	Upper
130	100		
95	103.4	88.5	132.7
132	83.9	78.2	117.2
97	63.2	54.2	81.2



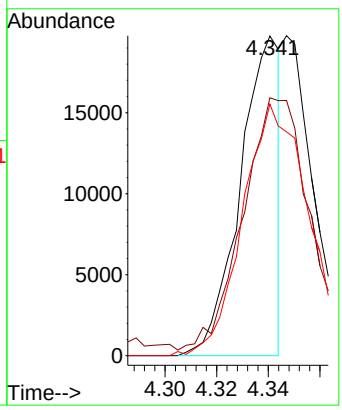


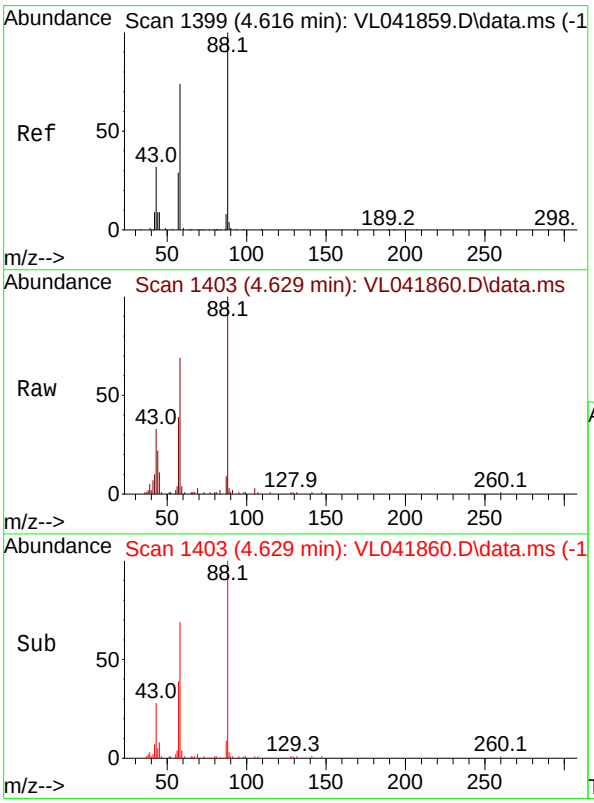
#39
1,2-Dichloropropane
Concen: 1.293 ppbv
RT: 4.341 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 63 Resp: 21050

Ion	Ratio	Lower	Upper
63	100		
41	79.0	58.0	87.0
62	77.4	58.6	87.8

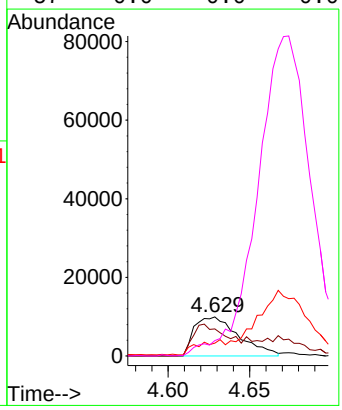


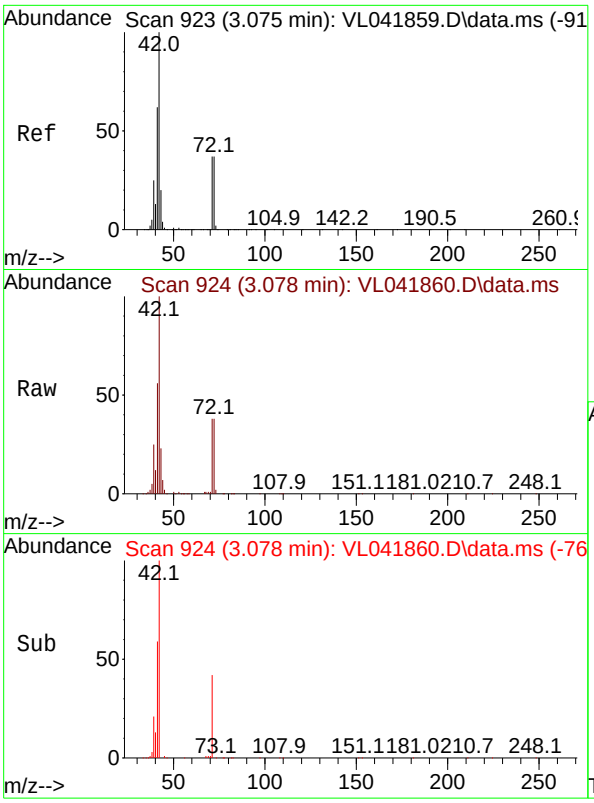


#40
1,4-Dioxane
Concen: 2.994 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. 0.013 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 88 Resp: 18864

Ion	Ratio	Lower	Upper
88	100		
58	88.3	52.2	78.4#
43	0.0	0.0	0.0
57	0.0	0.0	0.0



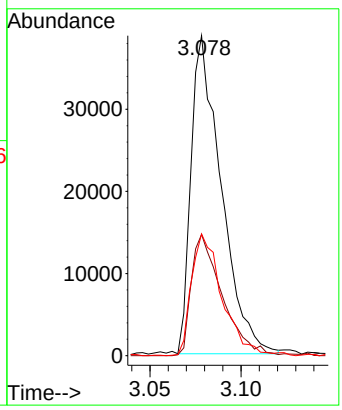


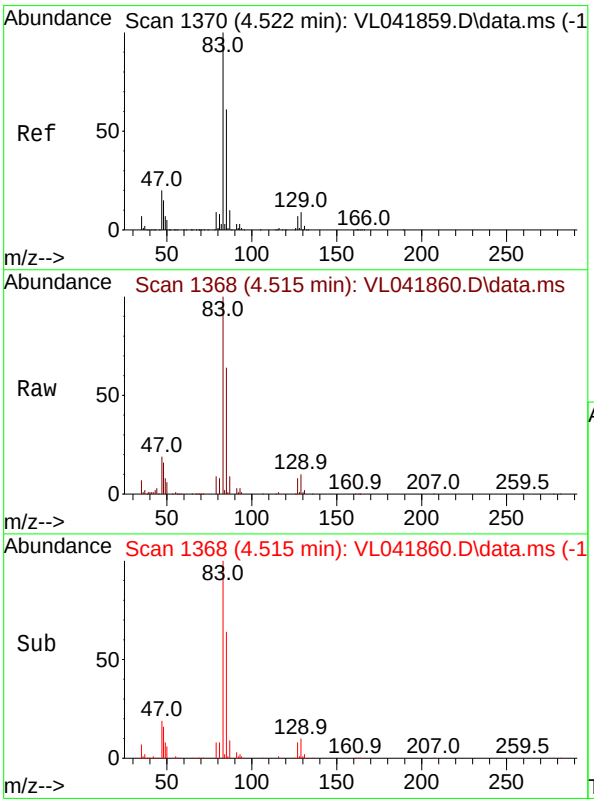
#41
Tetrahydrofuran
Concen: 2.726 ppbv
RT: 3.078 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 42 Resp: 44570

Ion	Ratio	Lower	Upper
42	100		
72	39.5	30.8	46.2
71	39.7	30.1	45.1

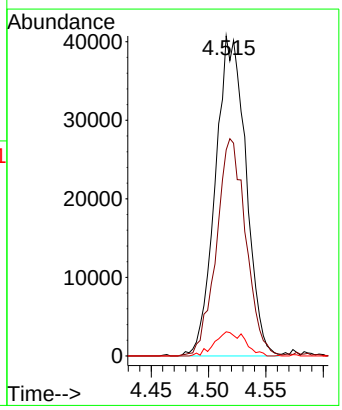


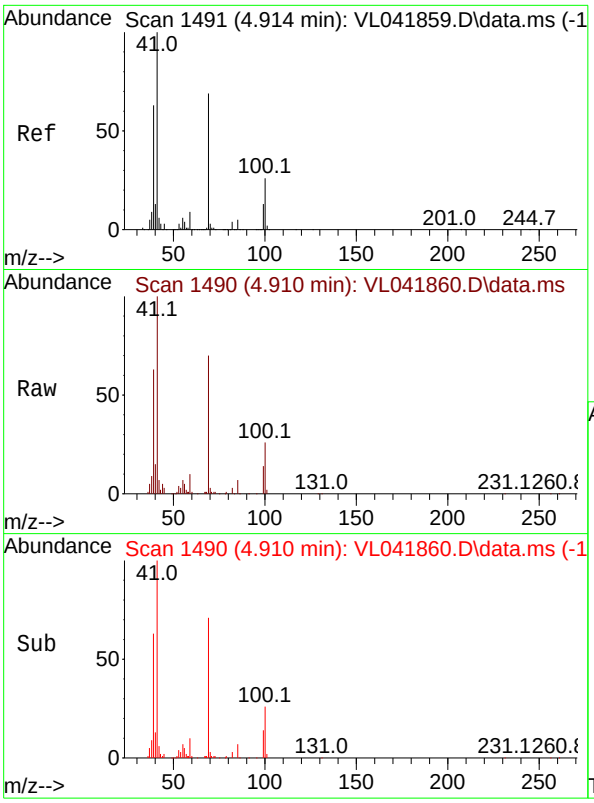


#42
Bromodichloromethane
Concen: 2.324 ppbv
RT: 4.515 min Scan# 1368
Delta R.T. -0.007 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 83 Resp: 75424

Ion	Ratio	Lower	Upper
83	100		
85	64.4	48.9	73.3
127	7.5	5.4	8.2



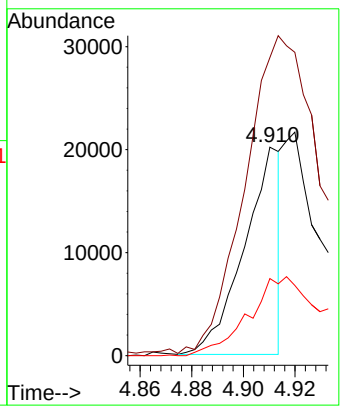


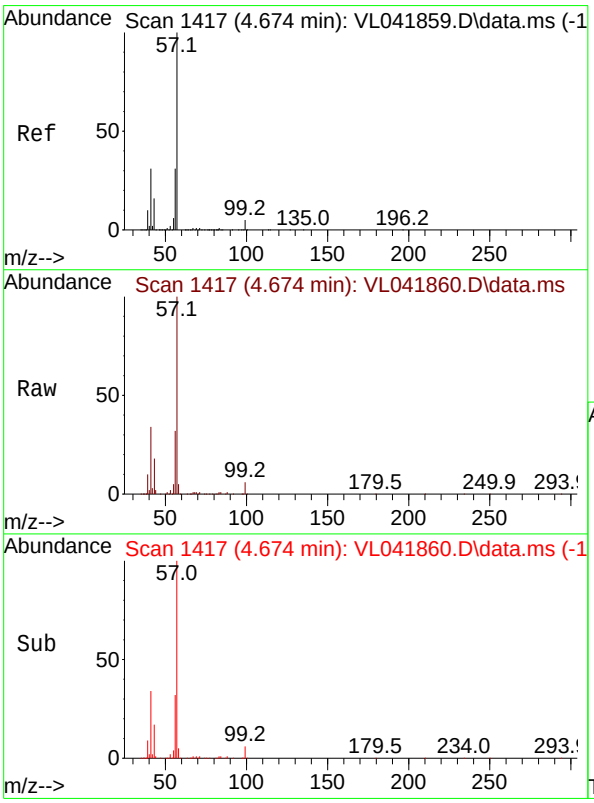
#43
Methyl Methacrylate
Concen: 1.481 ppbv
RT: 4.910 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 69 Resp: 19569

Ion	Ratio	Lower	Upper
69	100		
41	324.0	116.2	174.4#
100	77.2	29.8	44.8#

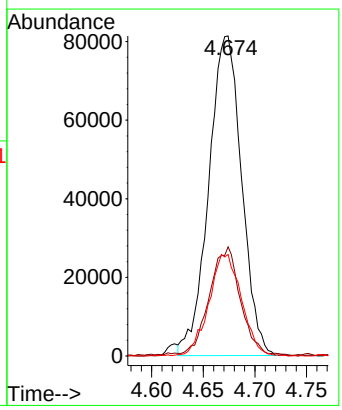


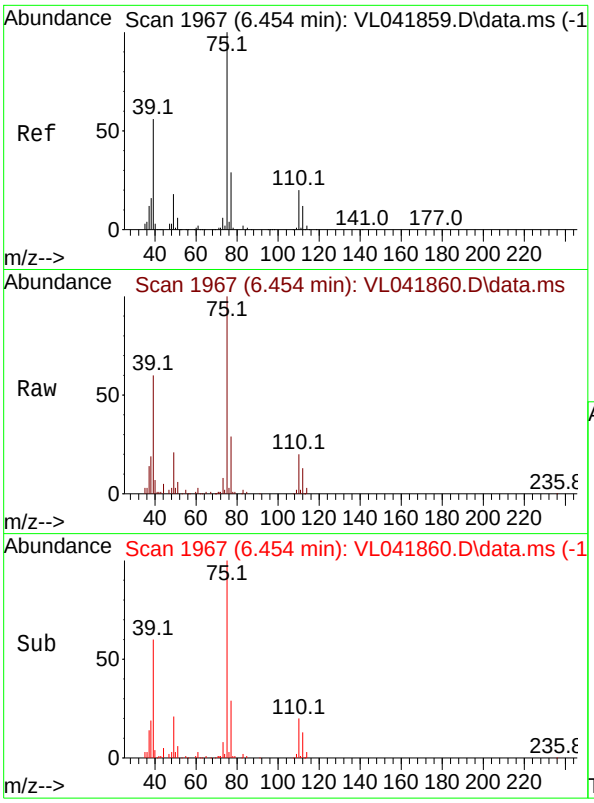


#44
2,2,4-Trimethylpentane
Concen: 2.597 ppbv
RT: 4.674 min Scan# 1417
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 57 Resp: 180117

Ion	Ratio	Lower	Upper
57	100		
41	31.8	25.5	38.3
56	31.6	25.6	38.4



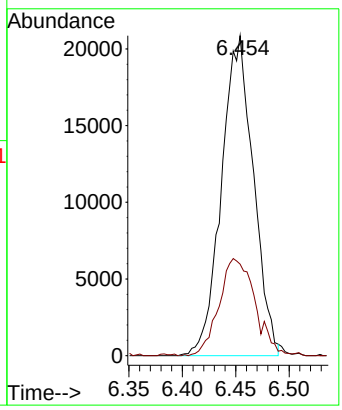


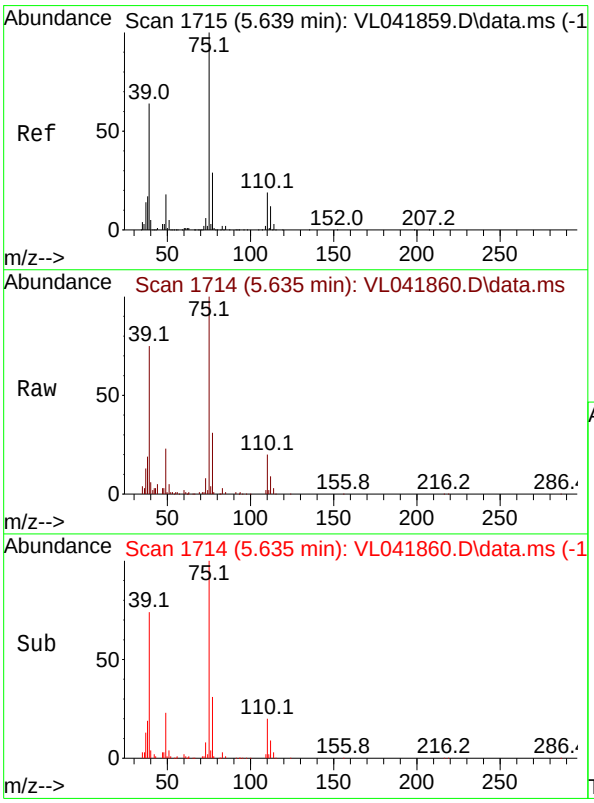
#45
t-1,3-Dichloropropene
Concen: 3.361 ppbv
RT: 6.454 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 75 Resp: 43372

Ion	Ratio	Lower	Upper
75	100		
77	28.6	23.4	35.2

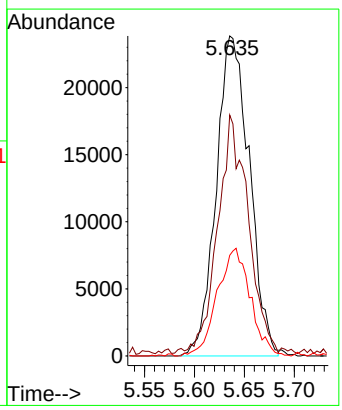


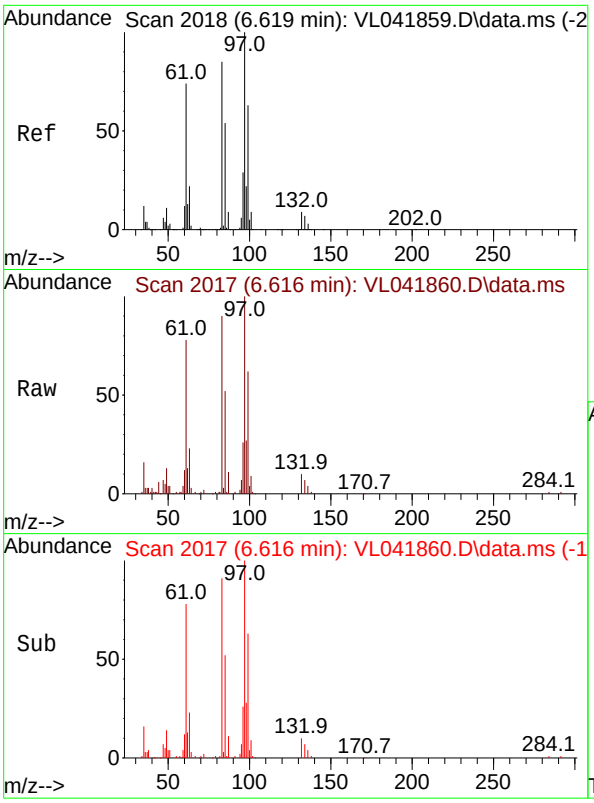


#46
cis-1,3-Dichloropropene
Concen: 3.240 ppbv
RT: 5.635 min Scan# 1714
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 75 Resp: 55051

Ion	Ratio	Lower	Upper
75	100		
39	74.3	51.4	77.2
77	31.5	23.0	34.4



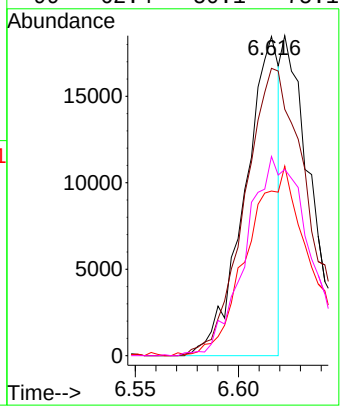


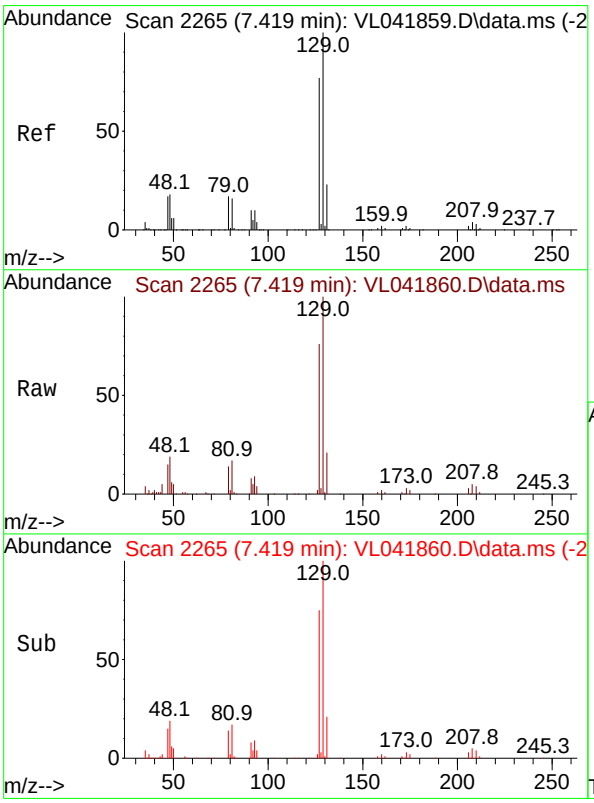
#47
1,1,2-Trichloroethane
Concen: 1.234 ppbv
RT: 6.616 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 97 Resp: 21227

Ion	Ratio	Lower	Upper
97	100		
83	90.0	68.1	102.1
85	50.7	43.4	65.2
99	62.4	50.1	75.1

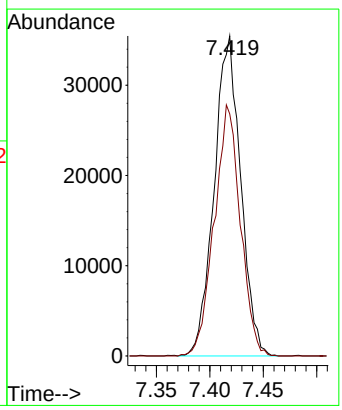


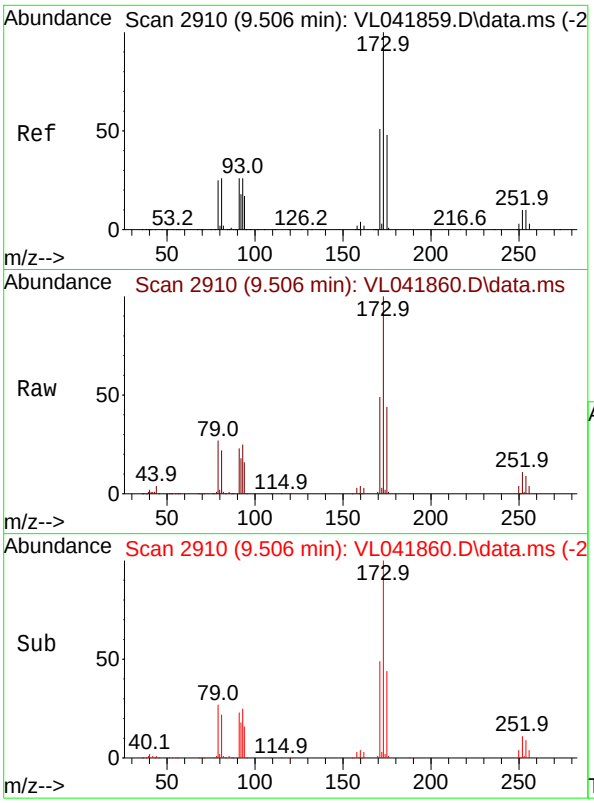


#48
Dibromochloromethane
Concen: 2.797 ppbv
RT: 7.419 min Scan# 2265
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion:129 Resp: 61313

Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.4	118.1



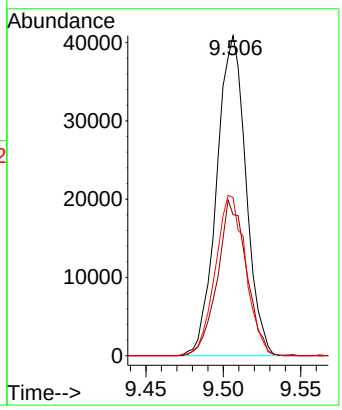


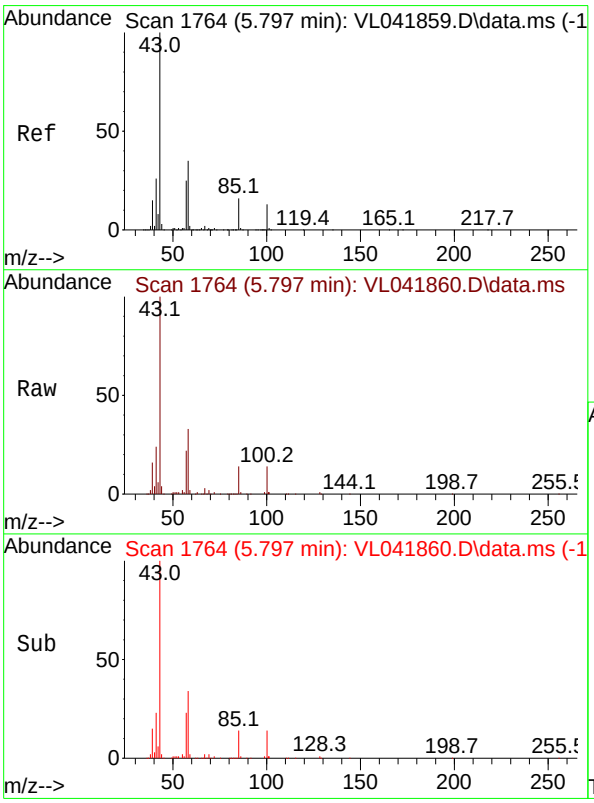
#49
Bromoform
Concen: 3.059 ppbv
RT: 9.506 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:173 Resp: 53734

Ion	Ratio	Lower	Upper
173	100		
175	48.1	38.2	57.2
171	52.0	41.3	61.9

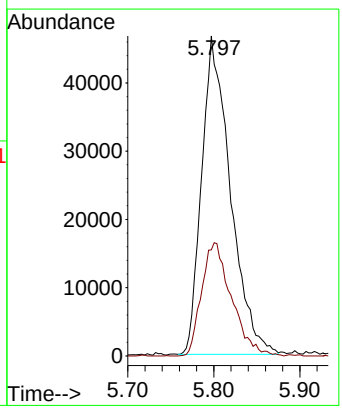


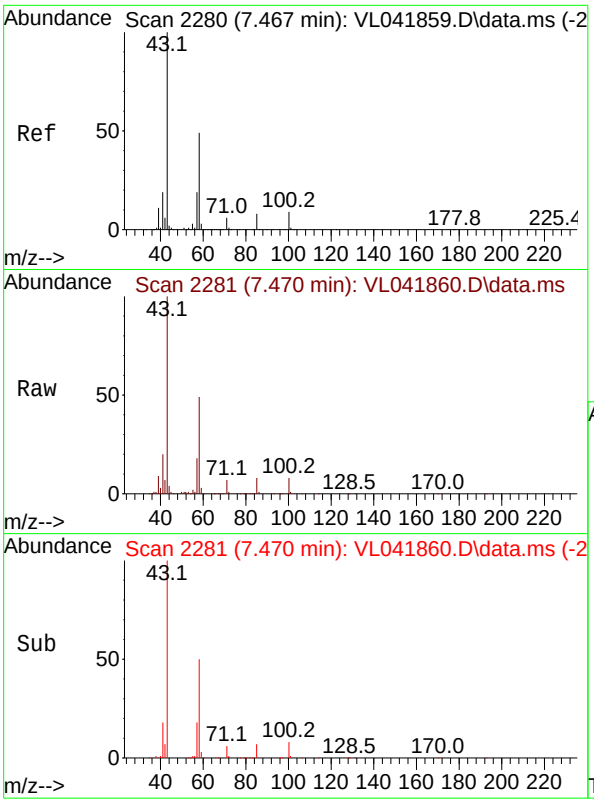


#50
4-Methyl-2-Pentanone
Concen: 2.696 ppbv
RT: 5.797 min Scan# 1764
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 43 Resp: 108191

Ion	Ratio	Lower	Upper
43	100		
58	37.2	29.4	44.2



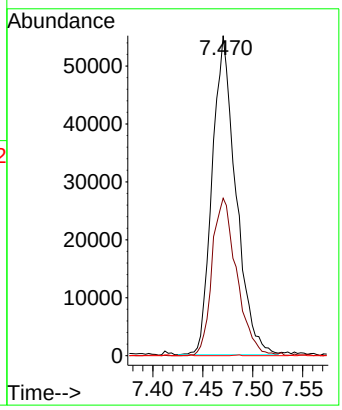


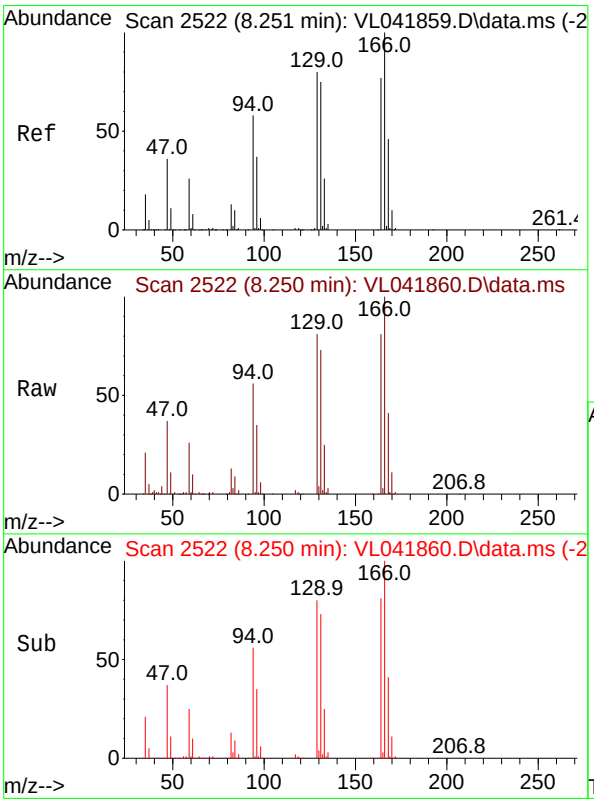
#51
2-Hexanone
Concen: 2.991 ppbv
RT: 7.470 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 90844

Ion	Ratio	Lower	Upper
43	100		
58	51.4	40.0	60.0
98	0.1	0.1	0.1#

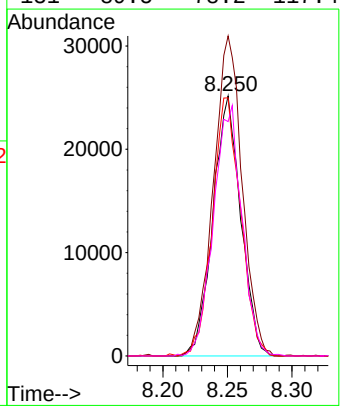


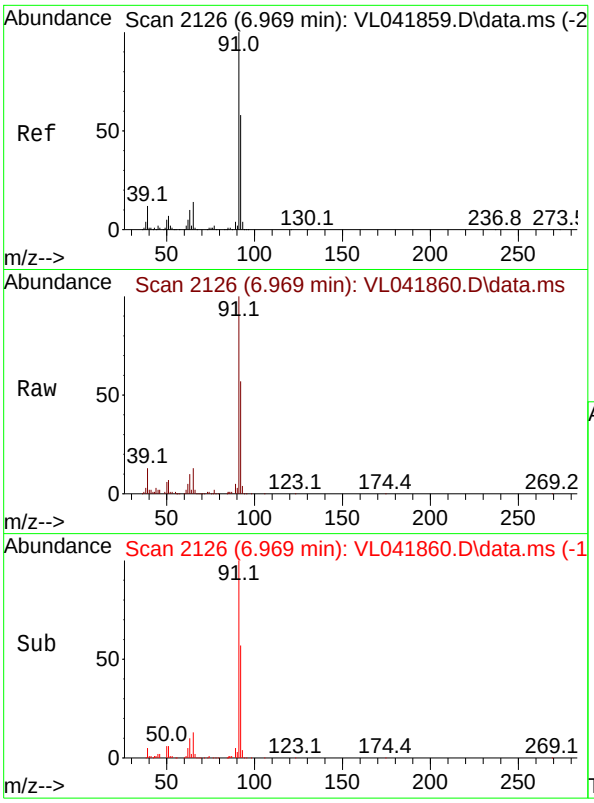


#52
Tetrachloroethene
Concen: 3.021 ppbv
RT: 8.250 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion:164 Resp: 37701

Ion	Ratio	Lower	Upper
164	100		
166	123.0	103.6	155.4
129	99.2	82.6	123.8
131	89.5	78.2	117.4



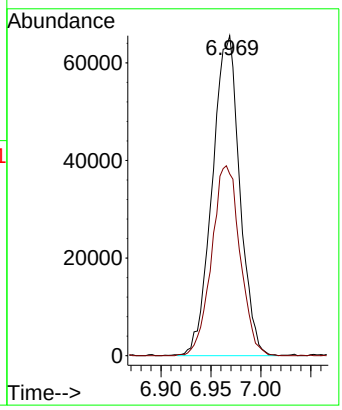


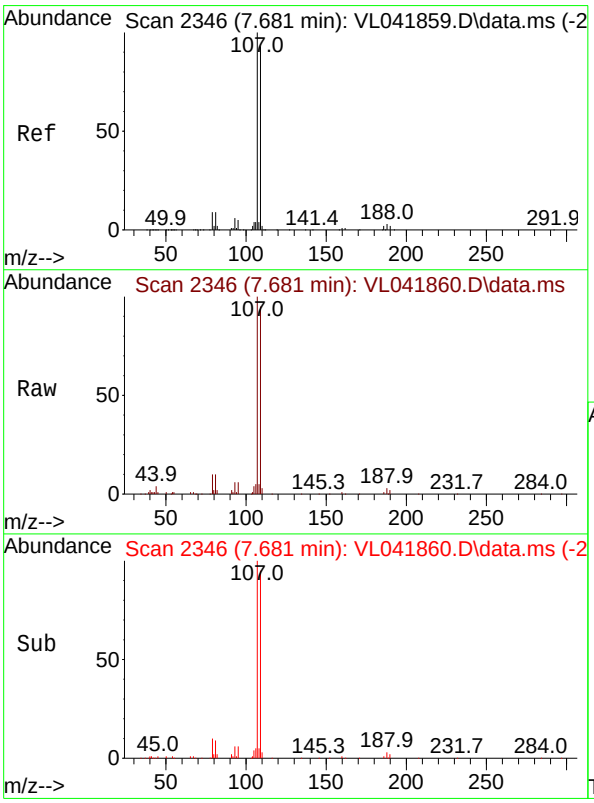
#53
Toluene
Concen: 3.345 ppbv
RT: 6.969 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 125295

Ion	Ratio	Lower	Upper
91	100		
92	61.4	47.2	70.8

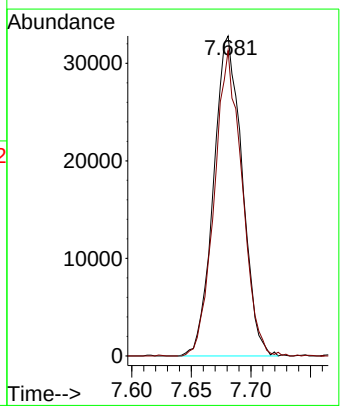


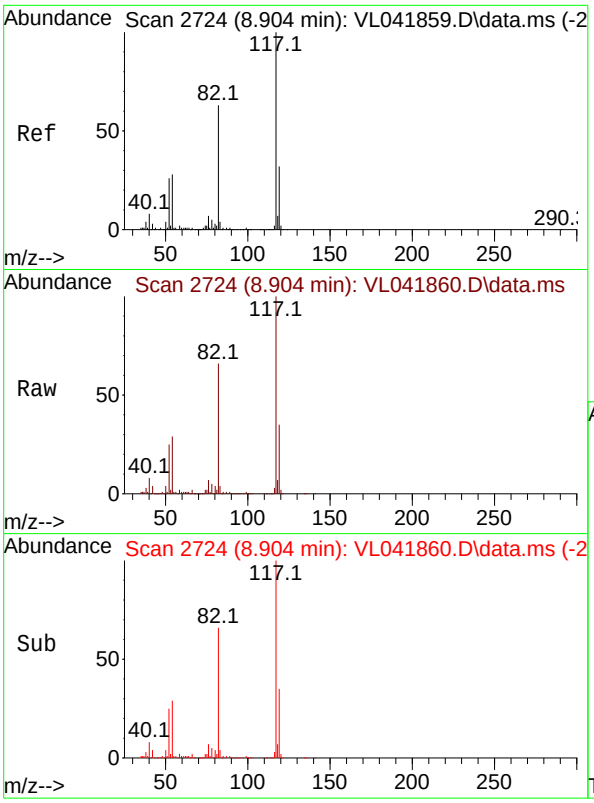


#54
1,2-Dibromoethane
Concen: 2.587 ppbv
RT: 7.681 min Scan# 2346
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion:107 Resp: 54562

Ion	Ratio	Lower	Upper
107	100		
109	95.4	74.6	112.0



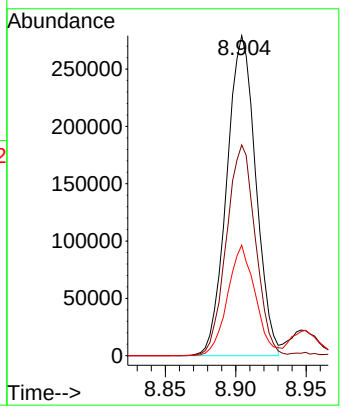


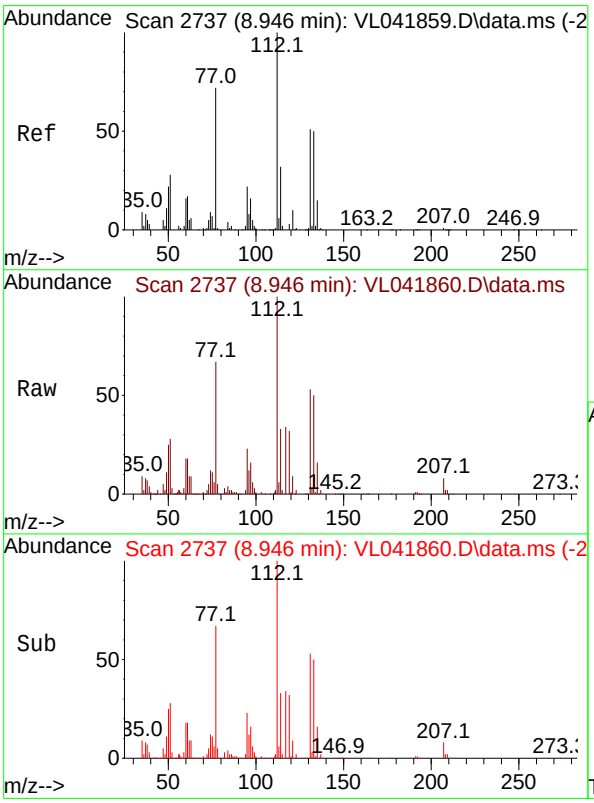
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 401428

Ion	Ratio	Lower	Upper
117	100		
82	66.5	54.5	81.7
119	32.9	24.6	37.0

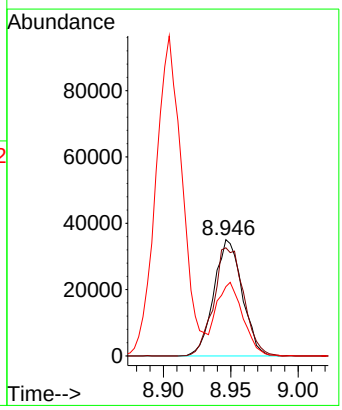


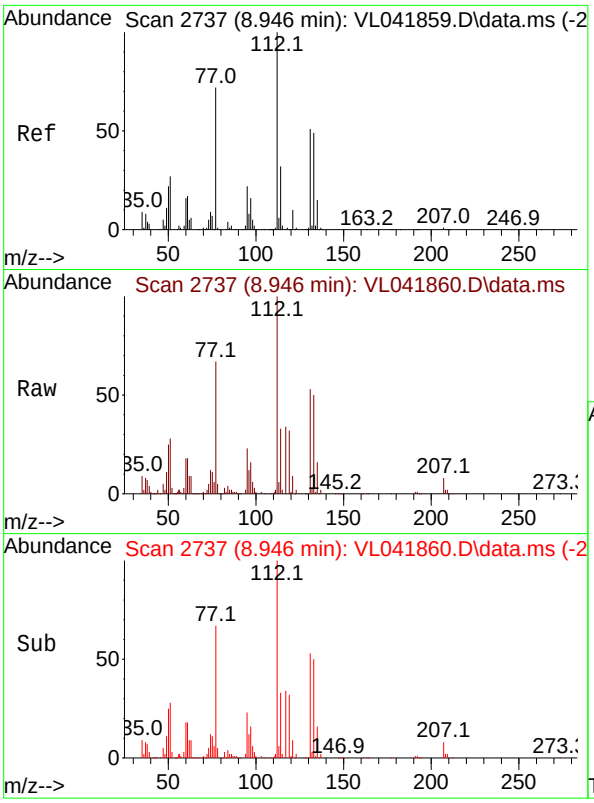


#56
1,1,1,2-Tetrachloroethane
Concen: 2.240 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion:131 Resp: 51252

Ion	Ratio	Lower	Upper
131	100		
133	98.3	77.4	116.2
119	58.6	49.4	74.0



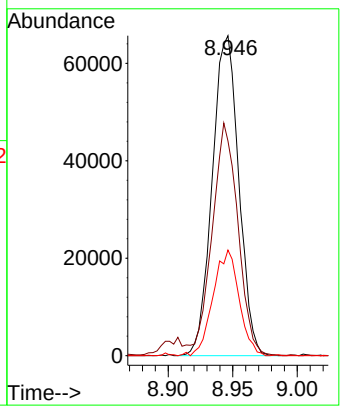


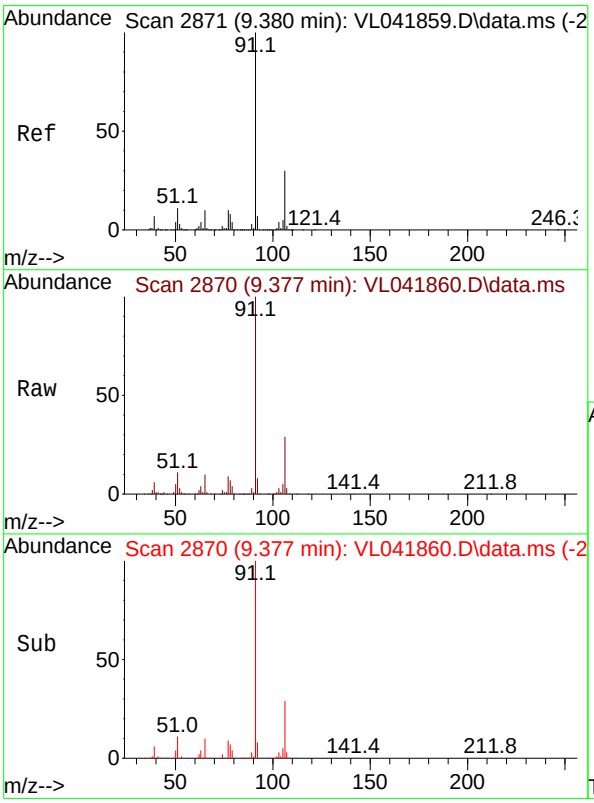
#57
Chlorobenzene
Concen: 2.242 ppbv
RT: 8.946 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:112 Resp: 94006

Ion	Ratio	Lower	Upper
112	100		
77	67.0	58.3	87.5
114	33.0	28.9	35.3

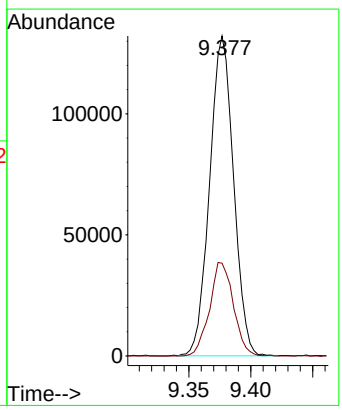


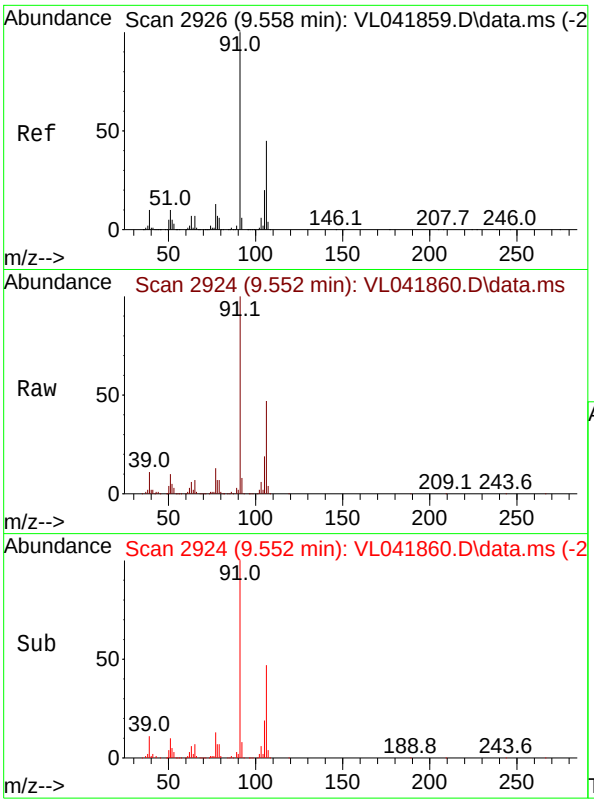


#58
Ethyl Benzene
Concen: 3.250 ppbv
RT: 9.377 min Scan# 2870
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 91 Resp: 177814

Ion	Ratio	Lower	Upper
91	100		
106	29.0	24.2	36.2



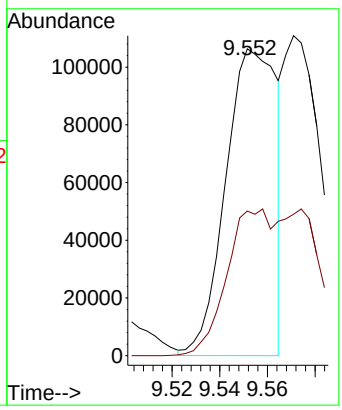


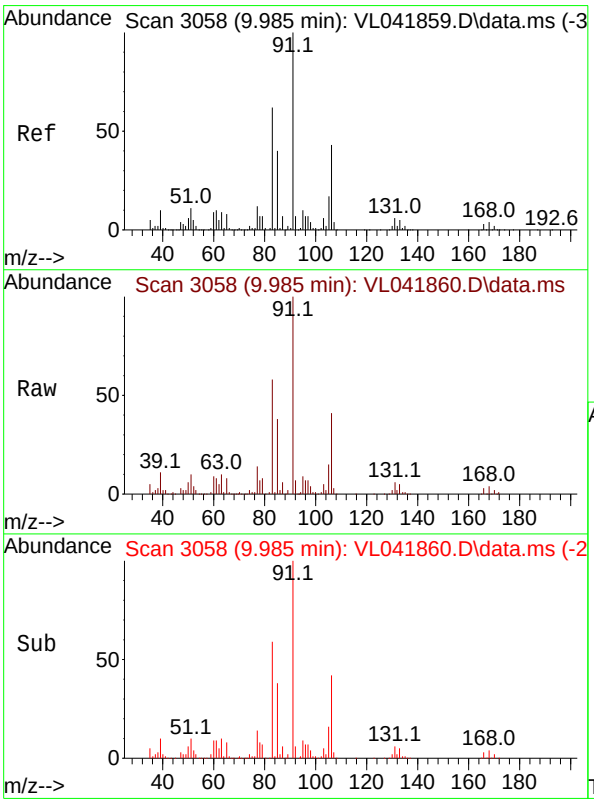
#59
m/p-Xylene
Concen: 3.262 ppbv
RT: 9.552 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 157253

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

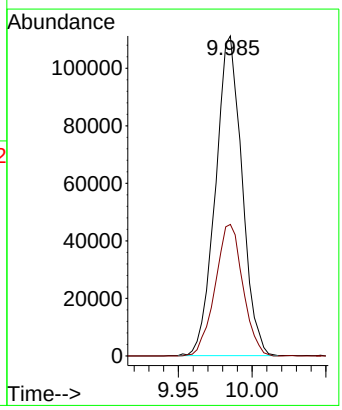


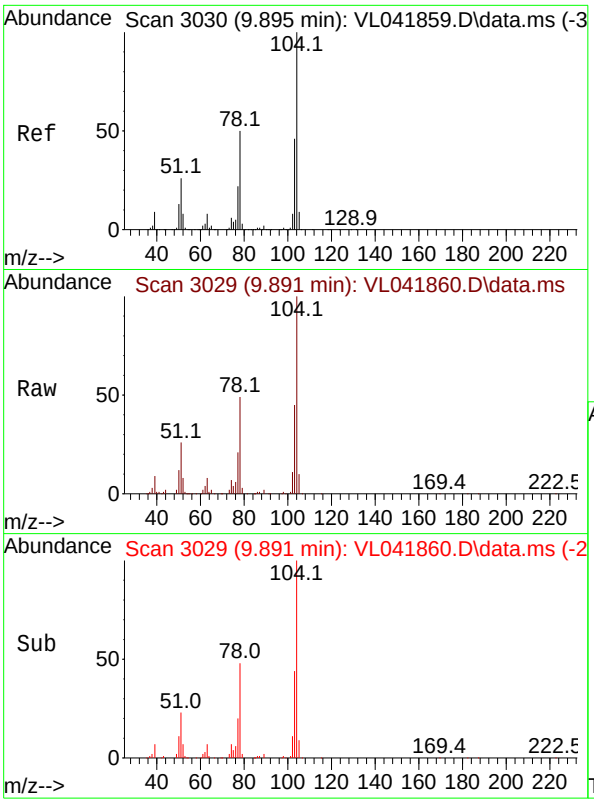


#60
o-Xylene
Concen: 2.953 ppbv
RT: 9.985 min Scan# 3058
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 91 Resp: 138722

Ion	Ratio	Lower	Upper
91	100		
106	43.1	21.4	64.3



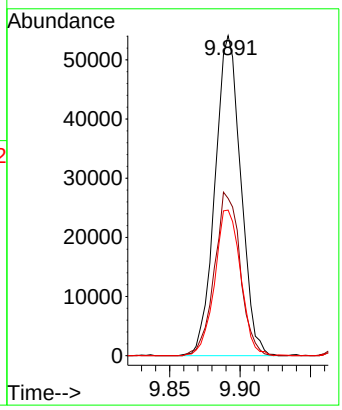


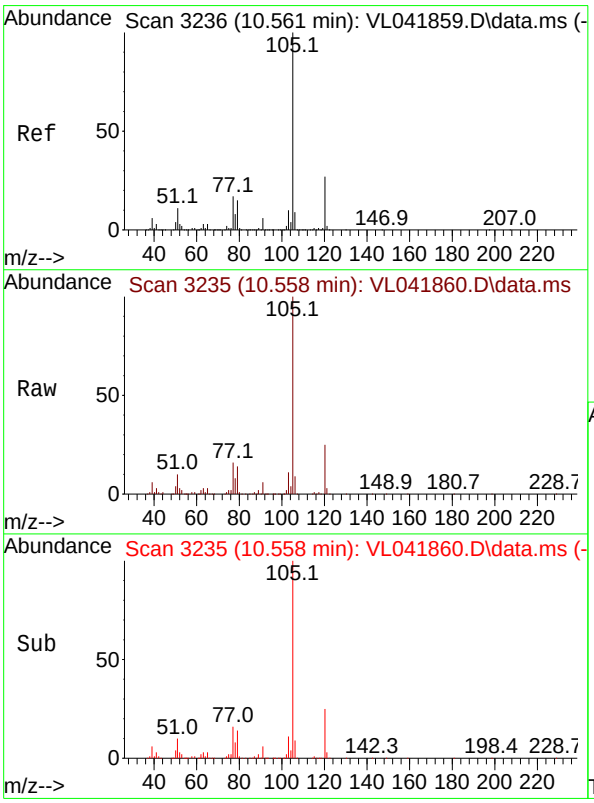
#61
Styrene
Concen: 3.779 ppbv
RT: 9.891 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:104 Resp: 68864

Ion	Ratio	Lower	Upper
104	100		
78	50.9	40.7	61.1
103	46.0	37.0	55.6

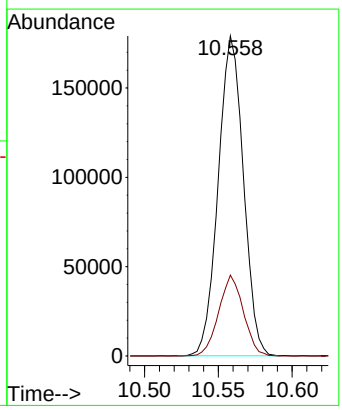


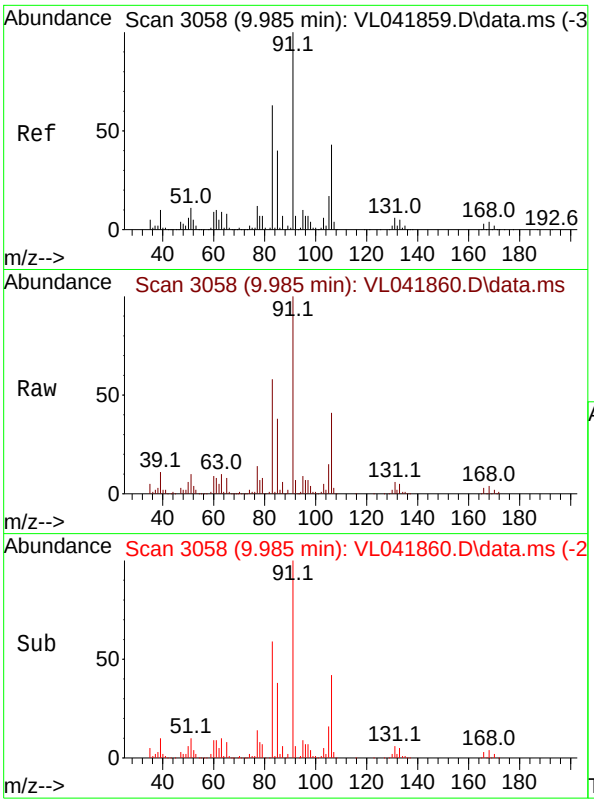


#62
Isopropylbenzene
Concen: 2.882 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion:105 Resp: 212705

Ion	Ratio	Lower	Upper
105	100		
120	24.7	20.3	30.5



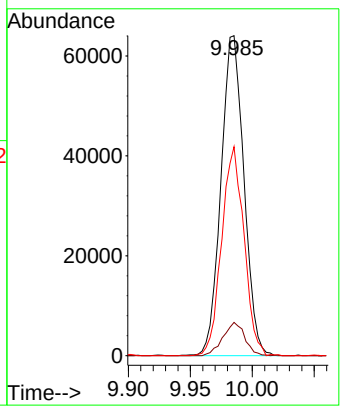


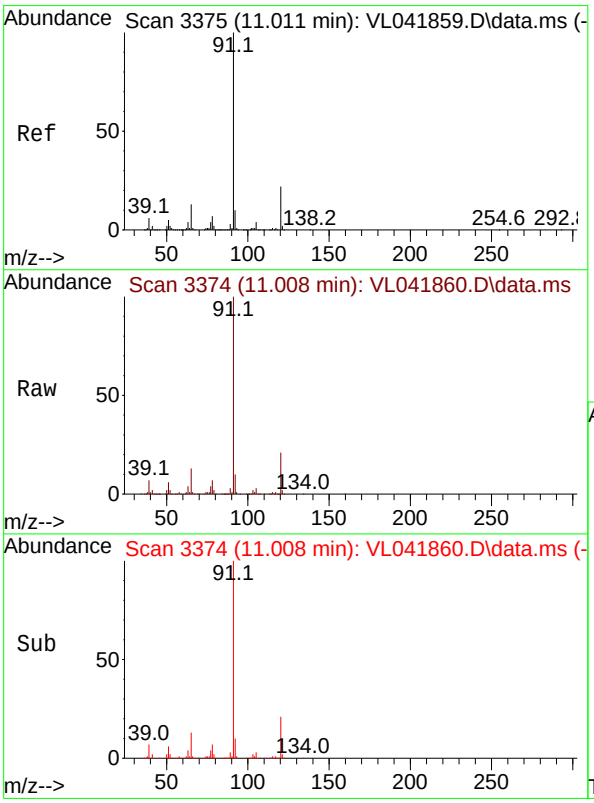
#63
1,1,2,2-Tetrachloroethane
Concen: 2.012 ppbv
RT: 9.985 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 82870

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.8	14.3
85	63.5	32.1	96.3

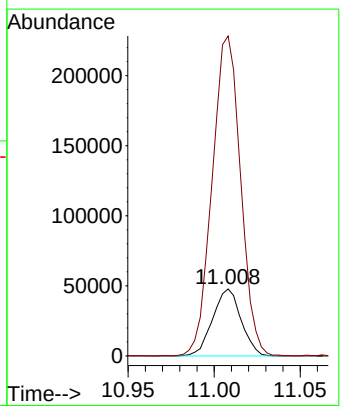


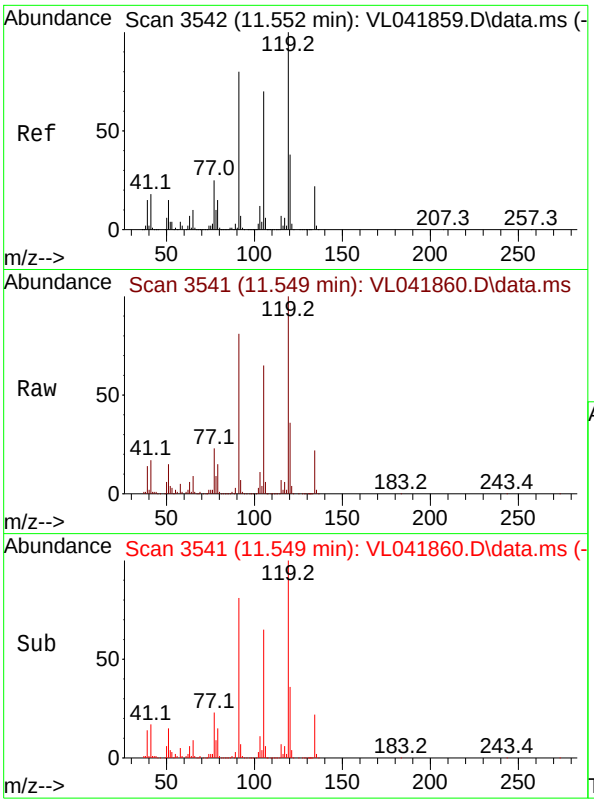


#64
n-propylbenzene
Concen: 2.899 ppbv
RT: 11.008 min Scan# 3374
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion:120 Resp: 54888

Ion	Ratio	Lower	Upper
120	100		
91	478.5	376.9	565.3



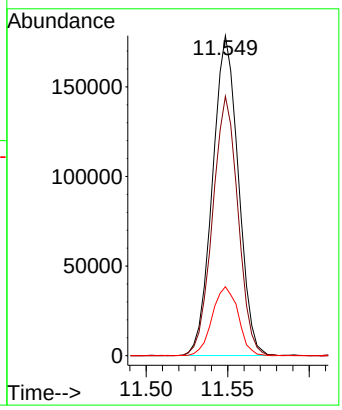


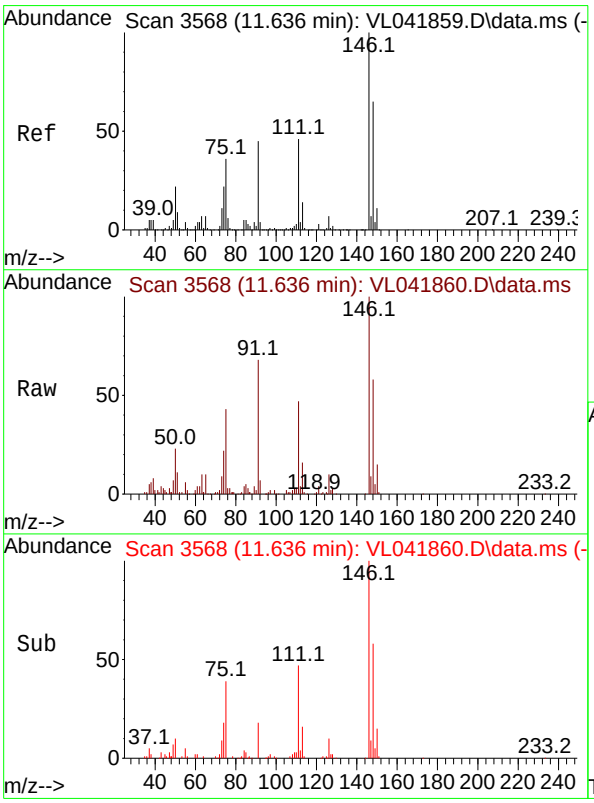
#65
tert-Butylbenzene
Concen: 2.957 ppbv
RT: 11.549 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 196649

Ion	Ratio	Lower	Upper
119	100		
91	79.8	64.6	97.0
134	21.7	16.9	25.3

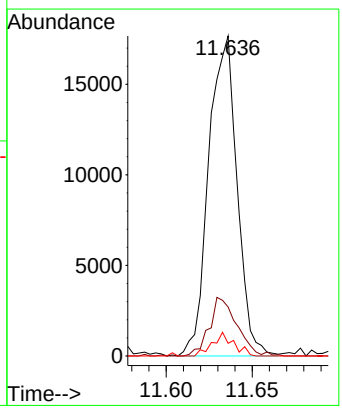


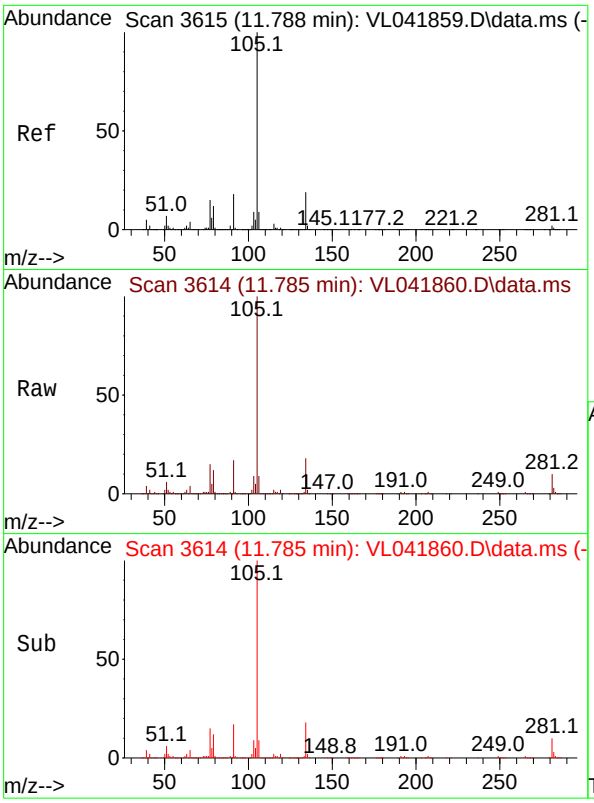


#66
Benzyl Chloride
Concen: 3.644 ppbv
RT: 11.636 min Scan# 3568
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 91 Resp: 20300

Ion	Ratio	Lower	Upper
91	100		
126	17.8	13.9	20.9
128	5.6	4.8	7.2



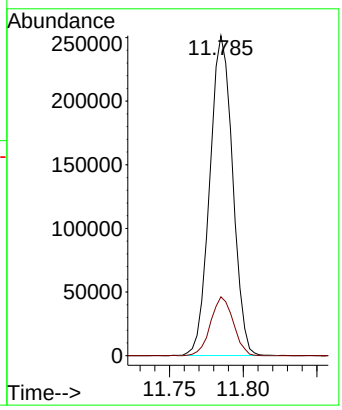


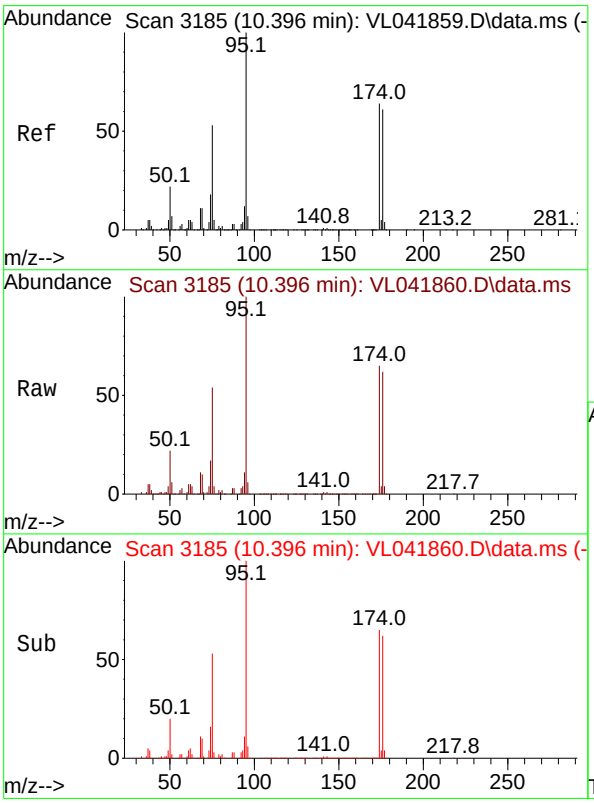
#67
sec-Butylbenzene
Concen: 2.787 ppbv
RT: 11.785 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 270495

Ion	Ratio	Lower	Upper
105	100		
134	18.3	15.4	23.2

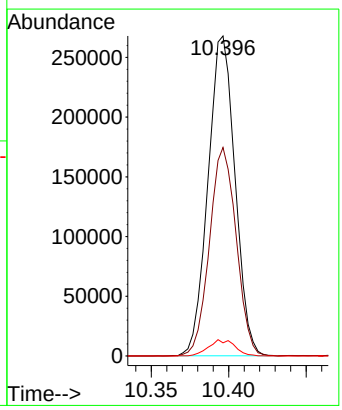


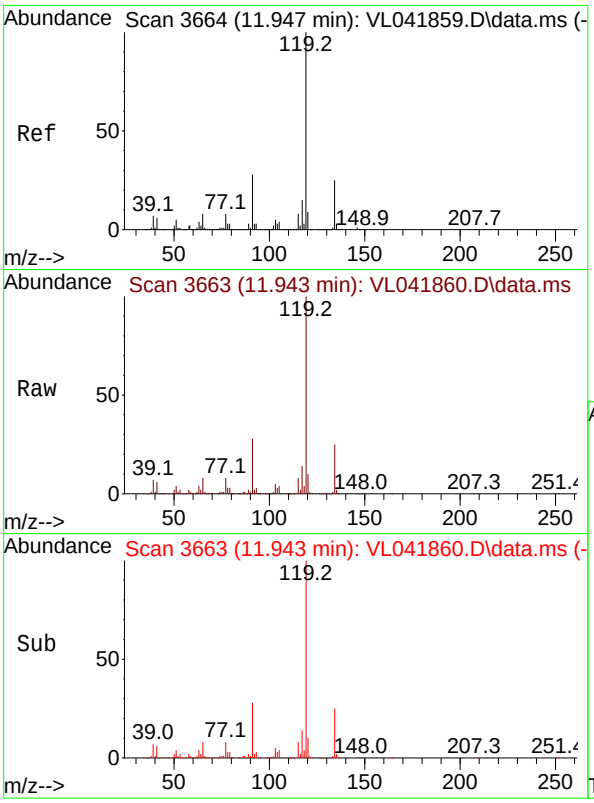


#68
1-Bromo-4-Fluorobenzene
Concen: 9.445 ppbv
RT: 10.396 min Scan# 3185
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 95 Resp: 324737

Ion	Ratio	Lower	Upper
95	100		
174	64.6	51.1	76.7
175	5.0	3.8	5.8



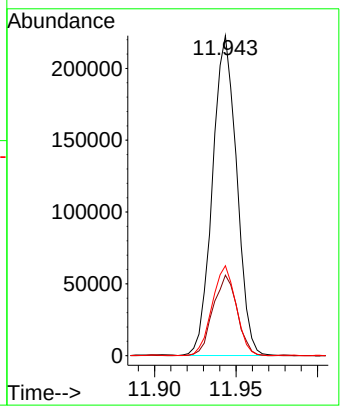


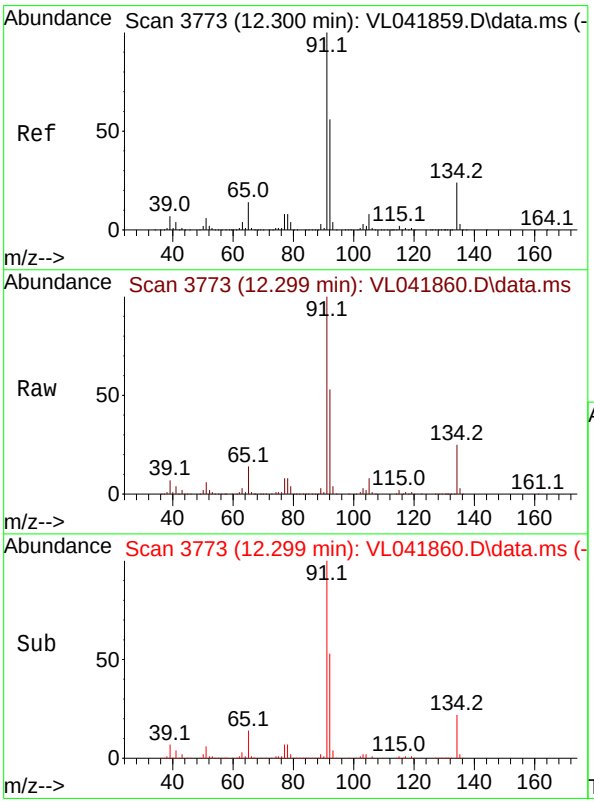
#69
p-Isopropyltoluene
Concen: 3.015 ppbv
RT: 11.943 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 229731

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.3	30.5
91	28.2	22.6	34.0

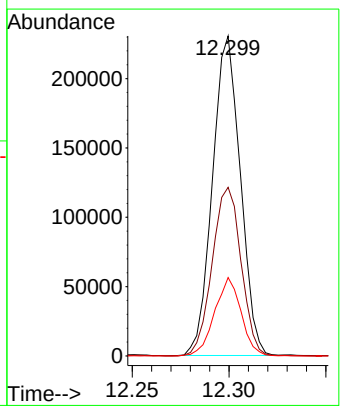


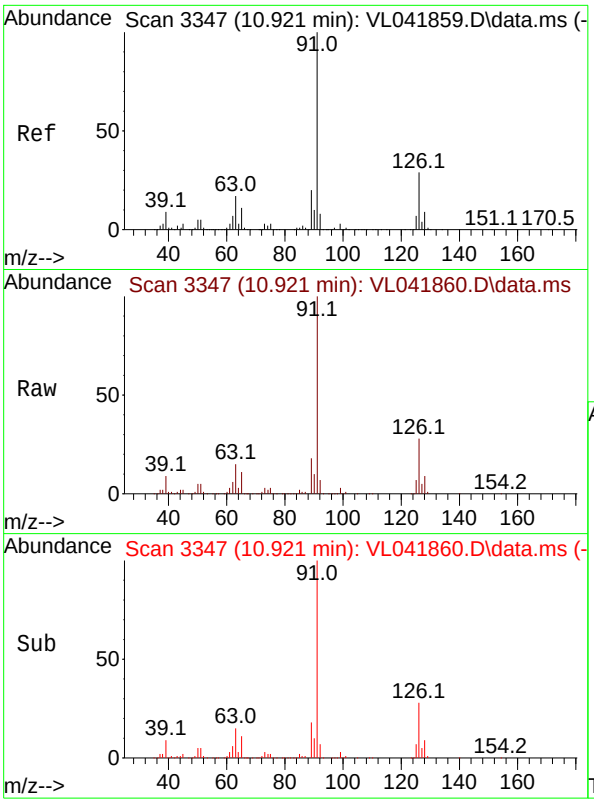


#70
n-Butylbenzene
Concen: 3.011 ppbv
RT: 12.299 min Scan# 3773
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 91 Resp: 230497

Ion	Ratio	Lower	Upper
91	100		
92	54.9	43.8	65.8
134	23.5	19.3	28.9



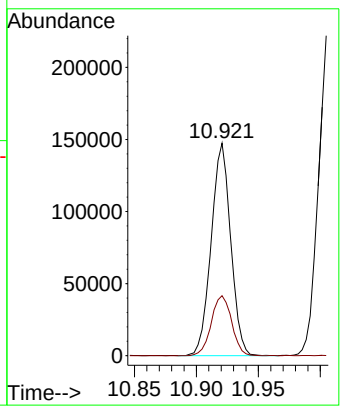


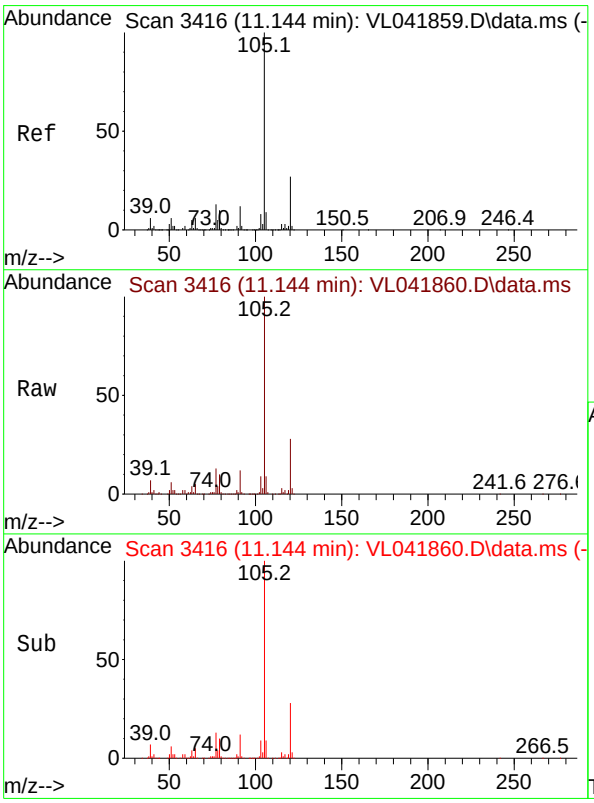
#71
2-Chlorotoluene
Concen: 3.021 ppbv
RT: 10.921 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 161864

Ion	Ratio	Lower	Upper
91	100		
126	29.4	11.6	46.6

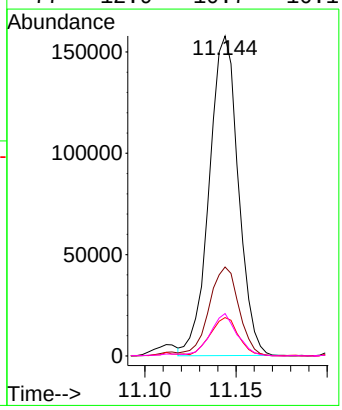


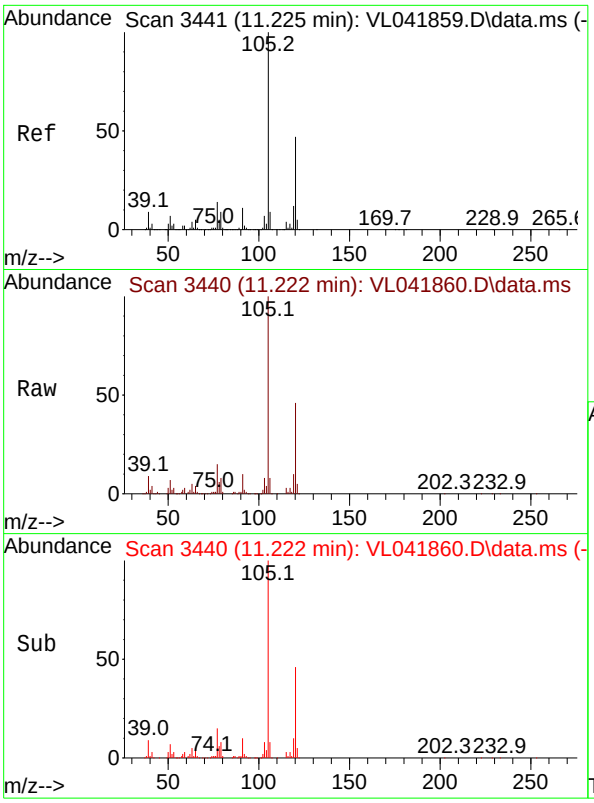


#72
4-Ethyltoluene
Concen: 3.083 ppbv
RT: 11.144 min Scan# 3416
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion:105 Resp: 175142

Ion	Ratio	Lower	Upper
105	100		
120	29.3	23.5	35.3
91	12.4	9.8	14.8
77	12.9	10.7	16.1



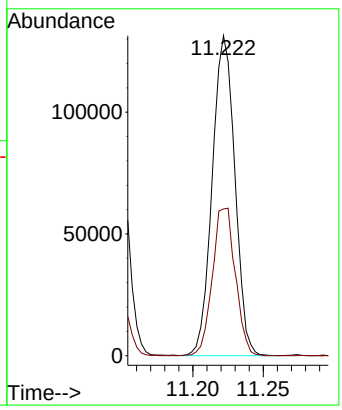


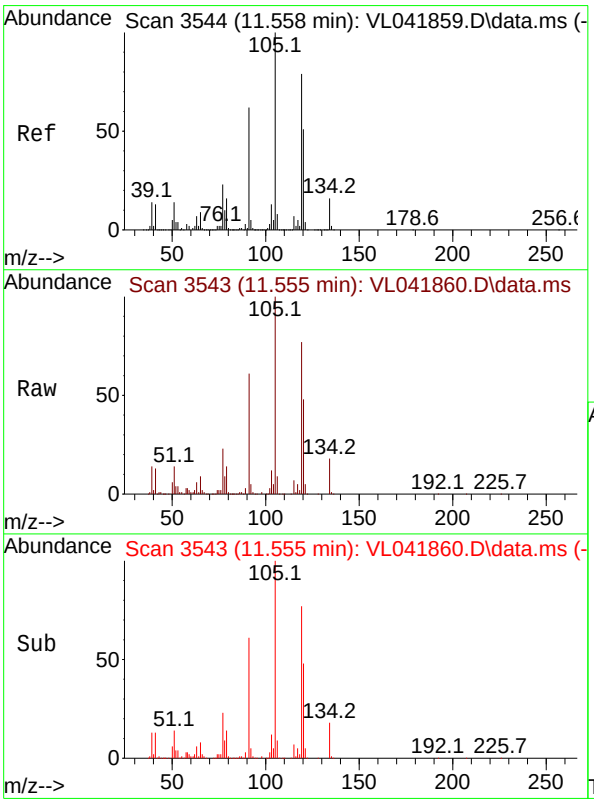
#73
1,3,5-Trimethylbenzene
Concen: 2.953 ppbv
RT: 11.222 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 146927

Ion	Ratio	Lower	Upper
105	100		
120	45.9	37.2	55.8

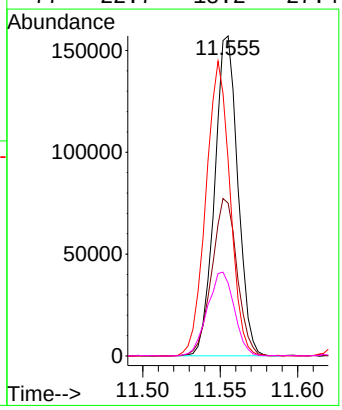


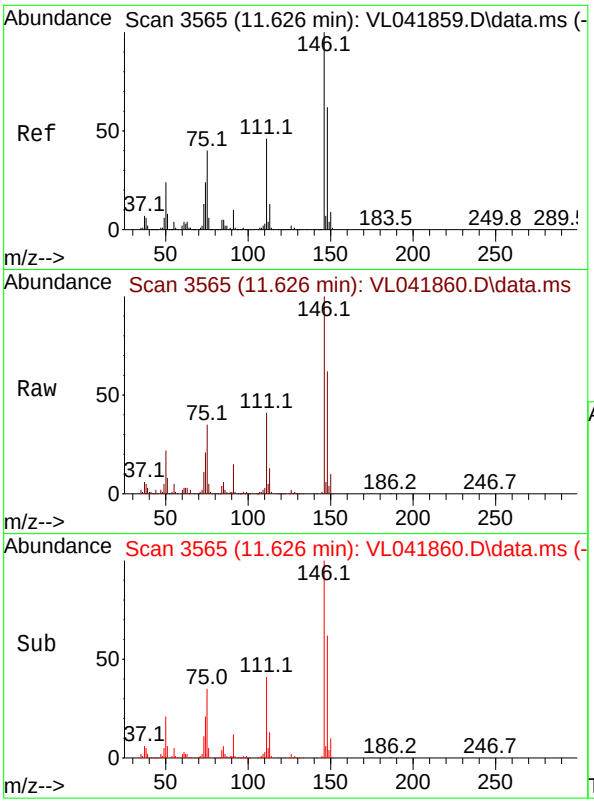


#74
1,2,4-Trimethylbenzene
Concen: 2.845 ppbv
RT: 11.555 min Scan# 3543
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion:105 Resp: 163980

Ion	Ratio	Lower	Upper
105	100		
120	47.6	41.1	61.7
91	61.0	50.0	75.0
77	22.7	18.2	27.4



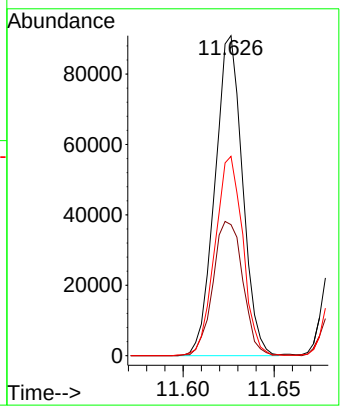


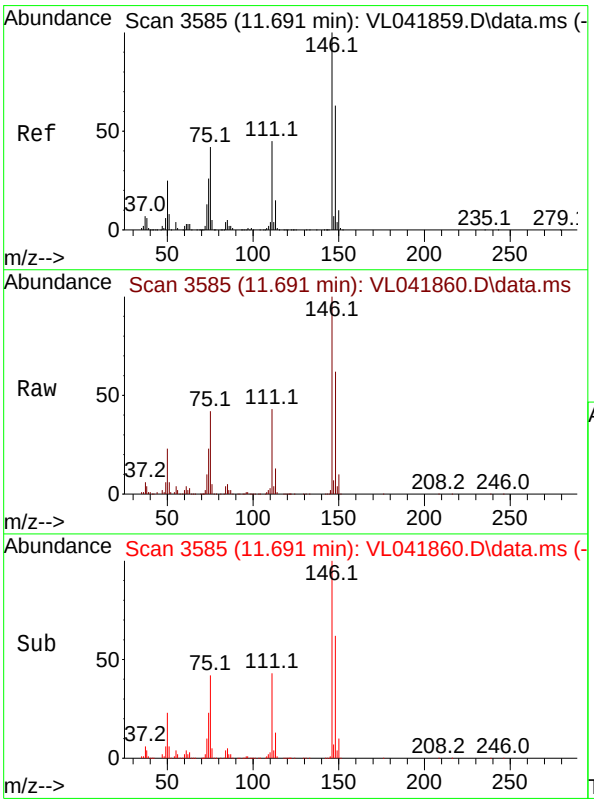
#75
1,3-Dichlorobenzene
Concen: 2.480 ppbv
RT: 11.626 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 95654

Ion	Ratio	Lower	Upper
146	100		
111	45.4	23.2	69.5
148	63.0	31.6	94.7

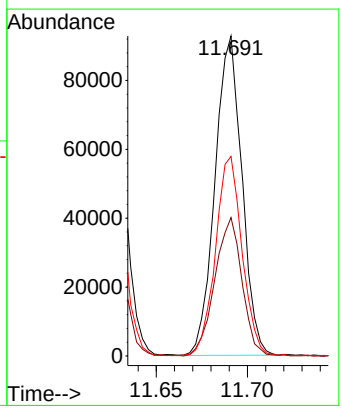


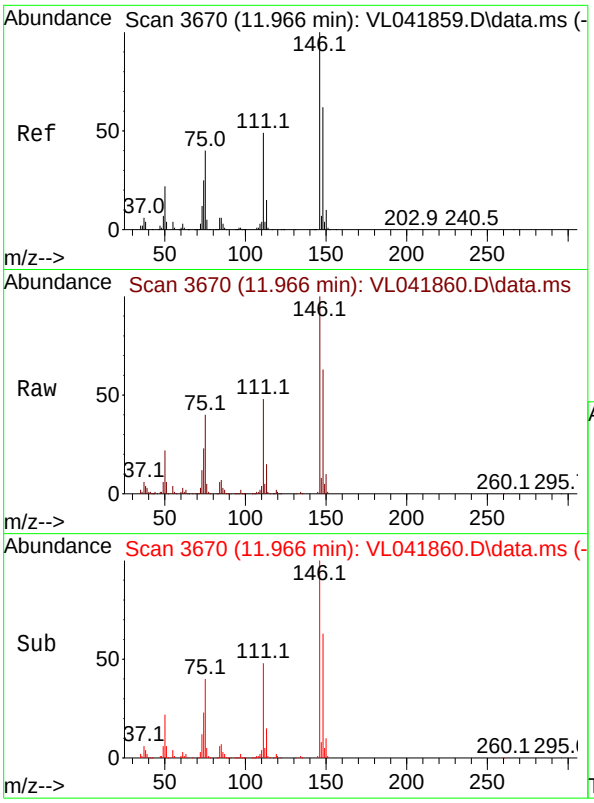


#76
1,4-Dichlorobenzene
Concen: 2.564 ppbv
RT: 11.691 min Scan# 3585
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion:146 Resp: 95164

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.1	66.1
148	62.3	31.2	93.6



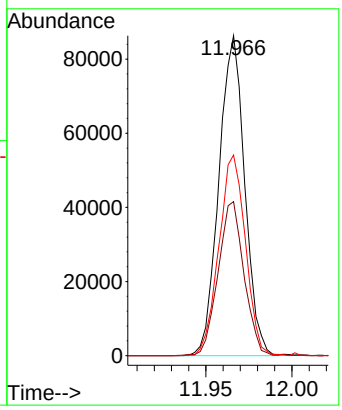


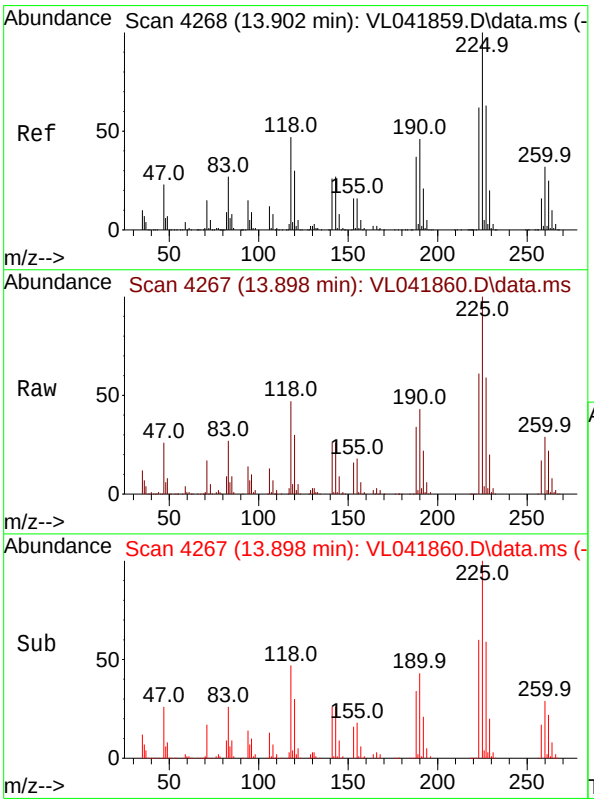
#77
1,2-Dichlorobenzene
Concen: 2.240 ppbv
RT: 11.966 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 90047

Ion	Ratio	Lower	Upper
146	100		
111	48.3	24.1	72.3
148	64.7	31.5	94.5

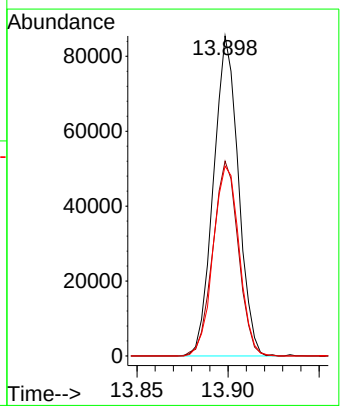


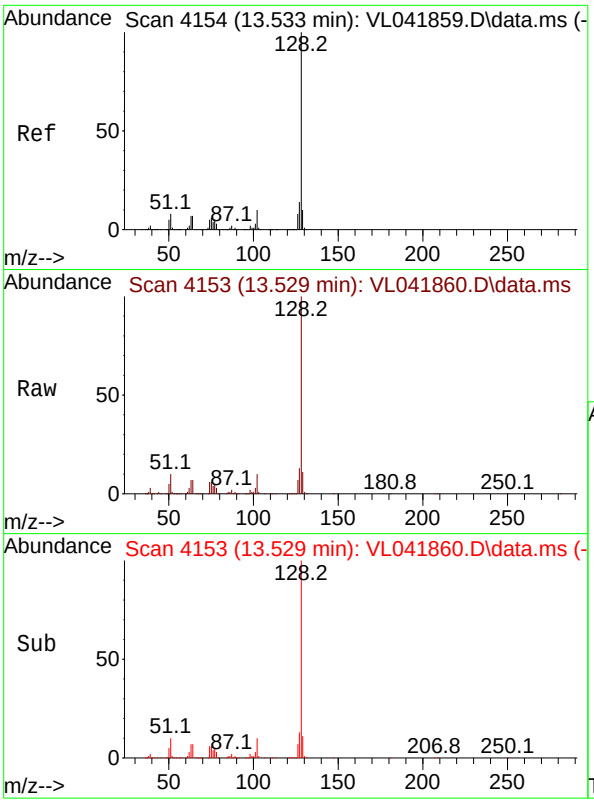


#78
Hexachloro-1,3-Butadiene
Concen: 2.839 ppbv
RT: 13.898 min Scan# 4267
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion:225 Resp: 81017

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.6	75.8
227	62.2	50.9	76.3



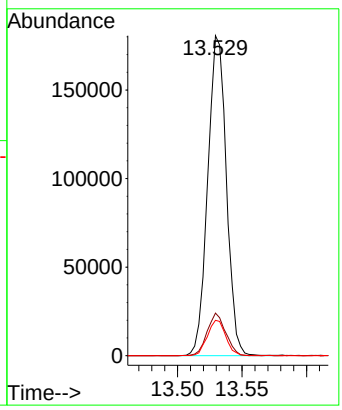


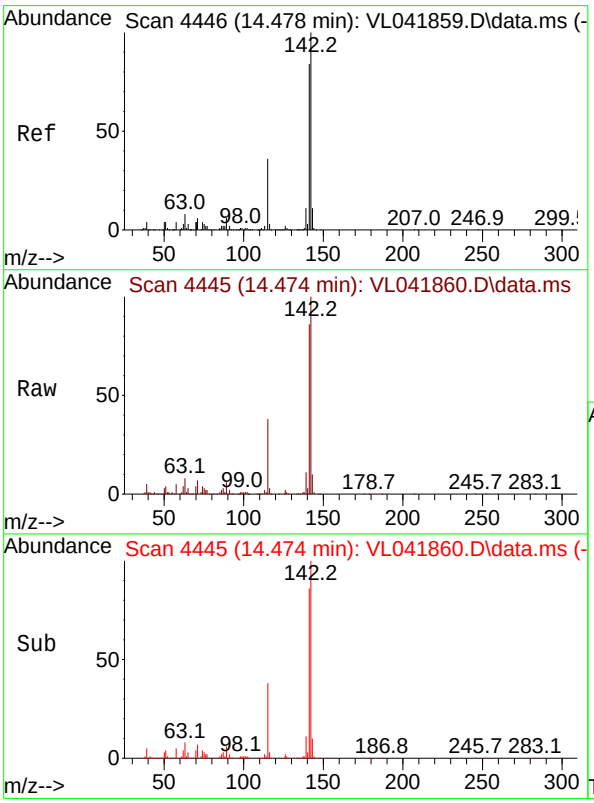
#79
Naphthalene
Concen: 4.280 ppbv
RT: 13.529 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:128 Resp: 181703

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.8	16.2
129	11.0	8.2	12.4

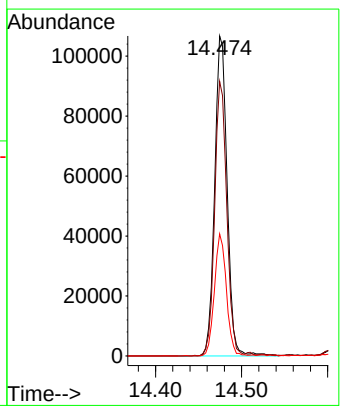


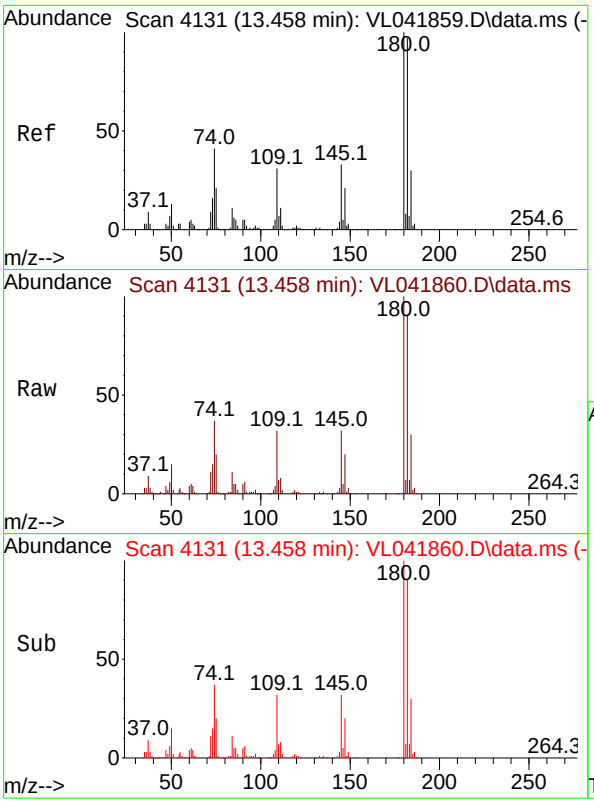


#80
Naphthalene,2-methyl-
Concen: 6.823 ppbv
RT: 14.474 min Scan# 4445
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion:142 Resp: 107211

Ion	Ratio	Lower	Upper
142	100		
141	85.1	68.2	102.4
115	37.3	29.4	44.2





#81
1,2,4-Trichlorobenzene
Concen: 3.689 ppbv
RT: 13.458 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:180 Resp: 86805

Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.8	113.8
184	30.5	24.1	36.1