Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
Data File : VL041861.D
Acq On : 09 Jan 2025 12:22
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Jan 10 00:15:18 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	143443	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.981	114	434494	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.904	117	394905	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.393	95	317281	9.381	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.800%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.505	85	25040	1.064	ppbv		97
3) Chlorodifluoromethane	1.483	51	27080	1.204	ppbv		99
4) Chloromethane	1.541	50	9681	1.000	ppbv		95
5) Vinyl Chloride	1.586	62	9371	0.960	ppbv		99
6) Bromomethane	1.674	94	4513	1.079	ppbv		93
7) Chloroethane	1.712	64	4049	1.077	ppbv		97
8) Dichlorotetrafluoroethane	1.560	85	20696	1.019	ppbv		100
9) Propene	1.489	41	13149	1.680	ppbv		90
10) Heptane	5.011	43	33313	1.722	ppbv		99
11) Trichlorofluoromethane	1.887	101	24866	1.039	ppbv		100
12) 1,1,2-Trichlorotrifluo...	2.153	101	20153	1.131	ppbv		99
13) Ethanol	1.729	45	1448	1.408	ppbv		72
14) Bromoethene	1.790	108	6917	1.185	ppbv	#	88
15) Acetone	1.845	43	28258	1.070	ppbv		97
16) 1,3-Butadiene	1.615	39	10650	1.028	ppbv		99
17) tert-Butyl alcohol	2.052	59	29021	1.268	ppbv	#	87
18) 1,1-Dichloroethene	2.046	96	9481	1.270	ppbv		90
19) Isopropyl Alcohol	1.897	45	13968	1.127	ppbv	#	35
20) Methylene Chloride	2.072	84	9326	1.235	ppbv	#	73
21) Allyl Chloride	2.107	41	16109	1.184	ppbv		94
22) trans-1,2-Dichloroethene	2.353	96	10902	1.307	ppbv		90
23) Vinyl Acetate	2.473	43	11666	1.420	ppbv		97
24) 1,1-Dichloroethane	2.421	63	20750	1.137	ppbv	#	94
25) Ethyl Acetate	2.855	43	62927	1.421	ppbv		98
26) Hexane	2.842	57	25792	1.678	ppbv		96
27) Carbon Disulfide	2.162	76	24132	1.654	ppbv	#	30
28) Methyl tert-Butyl Ether	2.457	73	19330	1.669	ppbv		92
29) Chloroform	2.865	83	36445	1.276	ppbv		97
30) Cyclohexane	3.881	84	21797	1.870	ppbv		91
31) cis-1,2-Dichloroethene	2.735	61	25721	1.626	ppbv		93
32) 1,1,1-Trichloroethane	3.389	97	34347	1.327	ppbv		98
34) 2-Butanone	2.573	43	37395	1.093	ppbv		100
35) Carbon Tetrachloride	3.784	117	33087	1.008	ppbv		93
36) Benzene	3.677	78	52621	1.268	ppbv		96
37) 1,2-Dichloroethane	3.237	62	26348	0.966	ppbv	#	96
38) Trichloroethene	4.577	130	20492	1.284	ppbv		96
39) 1,2-Dichloropropane	4.341	63	18342	1.142	ppbv		90
40) 1,4-Dioxane	4.622	88	5243	0.844	ppbv	#	1
41) Tetrahydrofuran	3.082	42	21802	1.352	ppbv		96
42) Bromodichloromethane	4.515	83	37075	1.158	ppbv	#	93
43) Methyl Methacrylate	4.913	69	20990	1.610	ppbv		95
44) 2,2,4-Trimethylpentane	4.671	57	89035	1.302	ppbv		100
45) t-1,3-Dichloropropene	6.448	75	20502	1.611	ppbv		91

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
Data File : VL041861.D
Acq On : 09 Jan 2025 12:22
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Jan 10 00:15:18 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

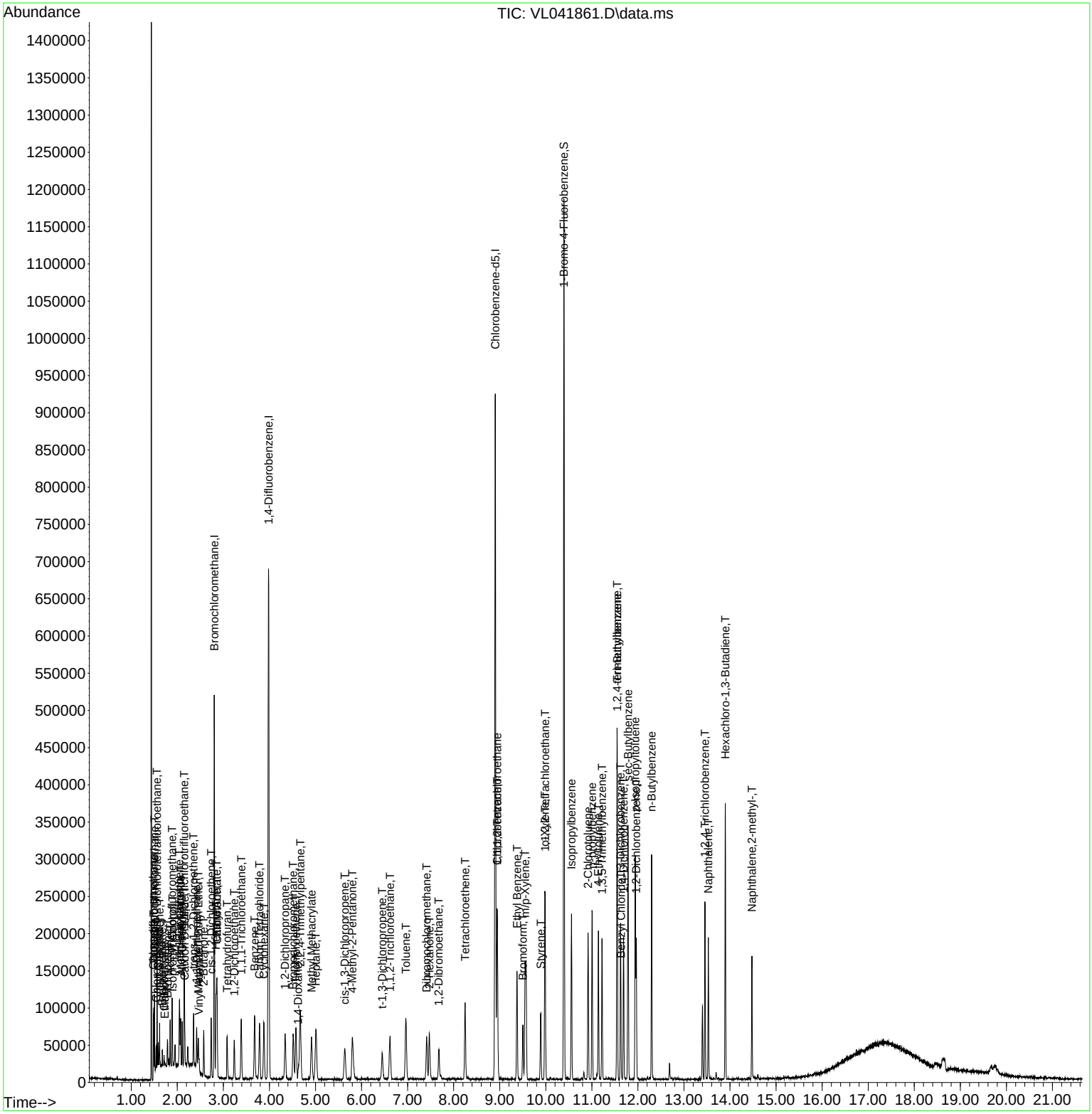
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.635	75	17954	1.071	ppbv		98
47)	1,1,2-Trichloroethane	6.619	97	19621	1.157	ppbv		99
48)	Dibromochloromethane	7.412	129	15685	0.726	ppbv	#	10
49)	Bromoform	9.503	173	24569	1.418	ppbv		99
50)	4-Methyl-2-Pentanone	5.800	43	28971	0.732	ppbv	#	48
51)	2-Hexanone	7.470	43	41781	1.395	ppbv	#	94
52)	Tetrachloroethene	8.250	164	18665	1.517	ppbv		96
53)	Toluene	6.962	91	62304	1.686	ppbv		100
54)	1,2-Dibromoethane	7.678	107	26769	1.287	ppbv		90
56)	1,1,1,2-Tetrachloroethane	8.946	131	24293	1.079	ppbv		98
57)	Chlorobenzene	8.946	112	47288	1.146	ppbv		89
58)	Ethyl Benzene	9.377	91	84795	1.575	ppbv		98
59)	m/p-Xylene	9.552	91	71678	1.512	ppbv	#	100
60)	o-Xylene	9.982	91	67480	1.460	ppbv		98
61)	Styrene	9.891	104	32180	1.795	ppbv		96
62)	Isopropylbenzene	10.558	105	101824	1.402	ppbv		99
63)	1,1,2,2-Tetrachloroethane	9.985	83	39140	0.966	ppbv		96
64)	n-propylbenzene	11.008	120	26642	1.430	ppbv		98
65)	tert-Butylbenzene	11.549	119	95303	1.457	ppbv		99
66)	Benzyl Chloride	11.633	91	9179	1.675	ppbv	#	96
67)	sec-Butylbenzene	11.785	105	130334	1.365	ppbv		99
69)	p-Isopropyltoluene	11.943	119	112256	1.498	ppbv		99
70)	n-Butylbenzene	12.299	91	111884	1.486	ppbv		99
71)	2-Chlorotoluene	10.917	91	79598	1.510	ppbv		99
72)	4-Ethyltoluene	11.141	105	84096	1.505	ppbv		99
73)	1,3,5-Trimethylbenzene	11.222	105	71812	1.467	ppbv		99
74)	1,2,4-Trimethylbenzene	11.552	105	79018	1.394	ppbv		91
75)	1,3-Dichlorobenzene	11.623	146	46462	1.224	ppbv		98
76)	1,4-Dichlorobenzene	11.688	146	45316	1.241	ppbv		96
77)	1,2-Dichlorobenzene	11.963	146	44103	1.115	ppbv		97
78)	Hexachloro-1,3-Butadiene	13.898	225	40100	1.428	ppbv		99
79)	Naphthalene	13.529	128	86398	2.069	ppbv		98
80)	Naphthalene,2-methyl-	14.474	142	49515	3.203	ppbv		97
81)	1,2,4-Trichlorobenzene	13.455	180	42679	1.844	ppbv		99

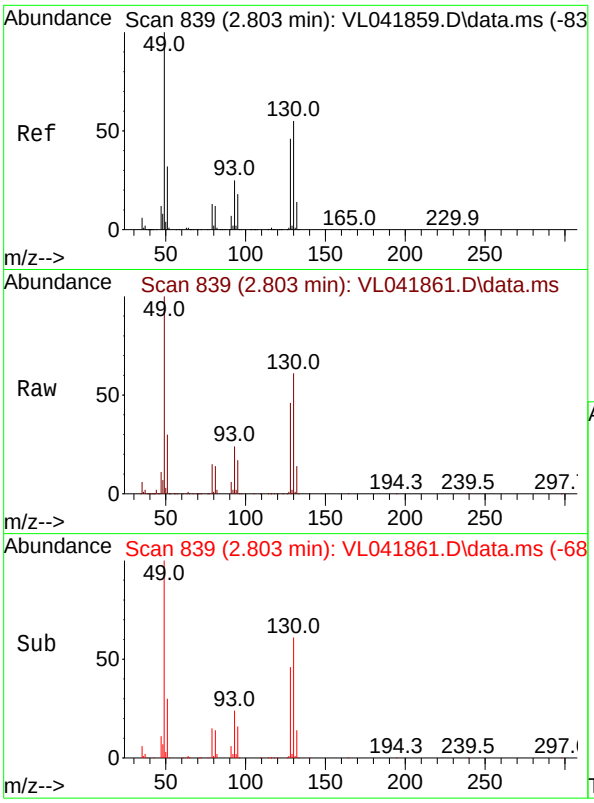
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
Data File : VL041861.D
Acq On : 09 Jan 2025 12:22
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Jan 10 00:15:18 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



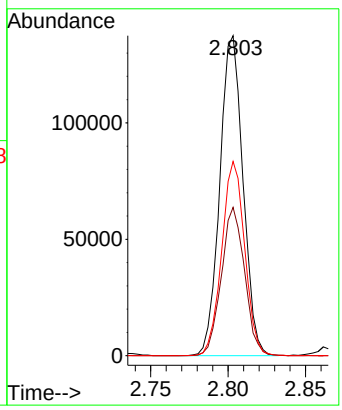


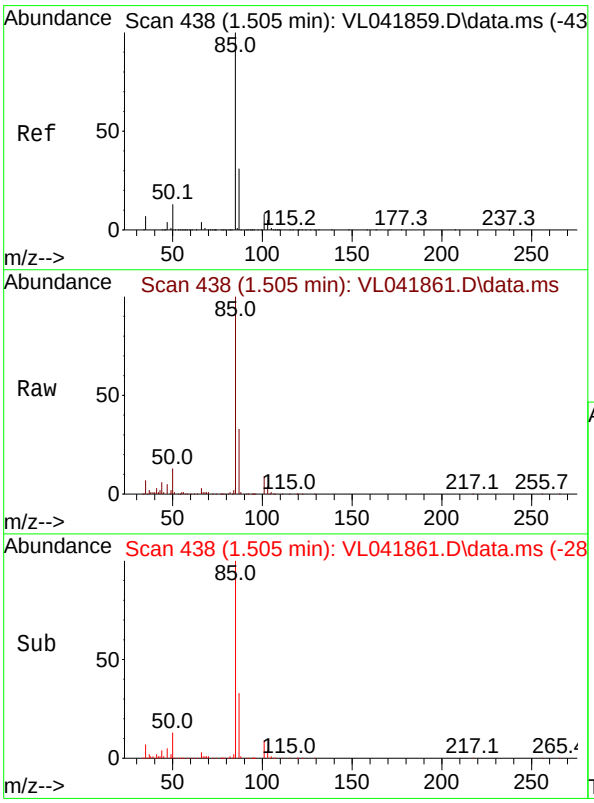
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 143443

Ion	Ratio	Lower	Upper
49	100		
128	46.3	23.2	69.5
130	60.1	29.9	89.8

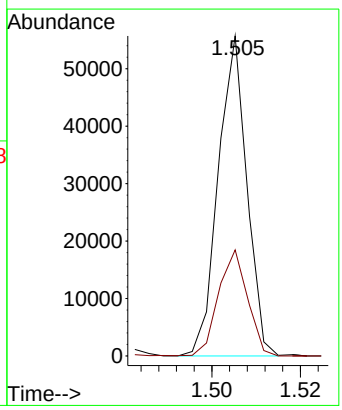


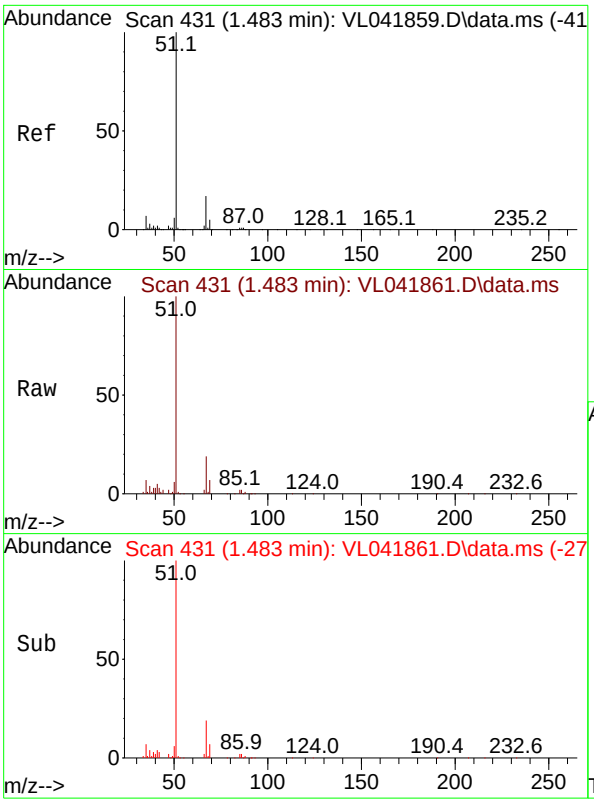


#2
Dichlorodifluoromethane
Concen: 1.064 ppbv
RT: 1.505 min Scan# 438
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 85 Resp: 25040

Ion	Ratio	Lower	Upper
85	100		
87	33.2	25.2	37.8



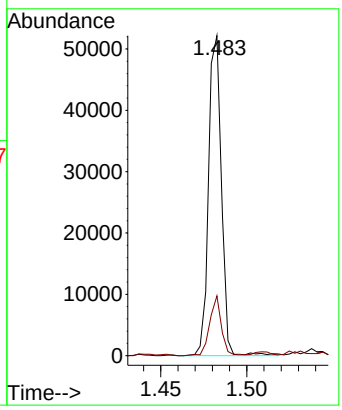


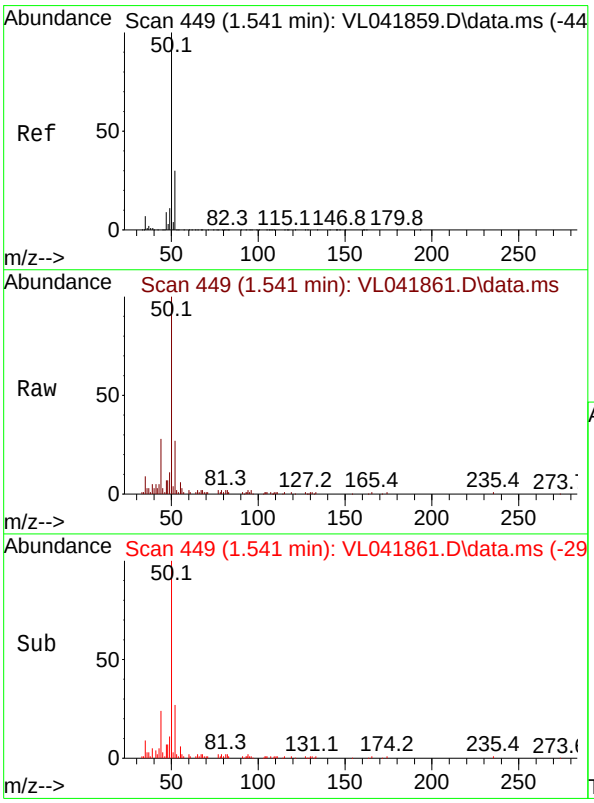
#3
Chlorodifluoromethane
Concen: 1.204 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 27080

Ion	Ratio	Lower	Upper
51	100		
67	17.1	13.8	20.8

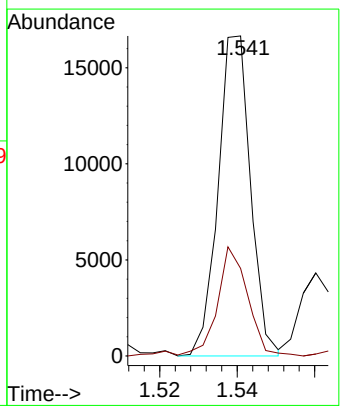


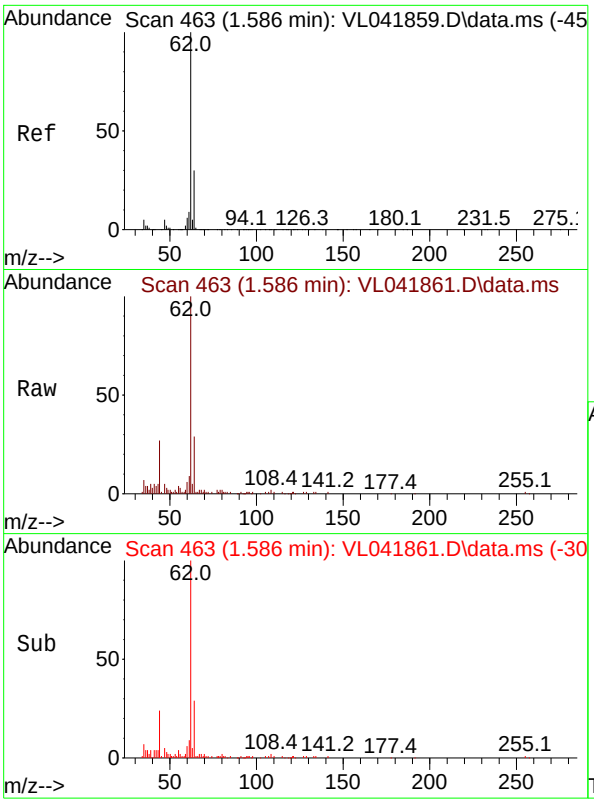


#4
Chloromethane
Concen: 1.000 ppbv
RT: 1.541 min Scan# 449
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 50 Resp: 9681

Ion	Ratio	Lower	Upper
50	100		
52	27.1	23.9	35.9



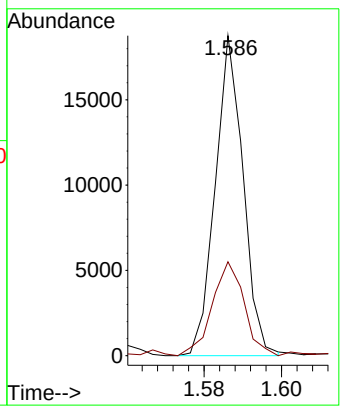


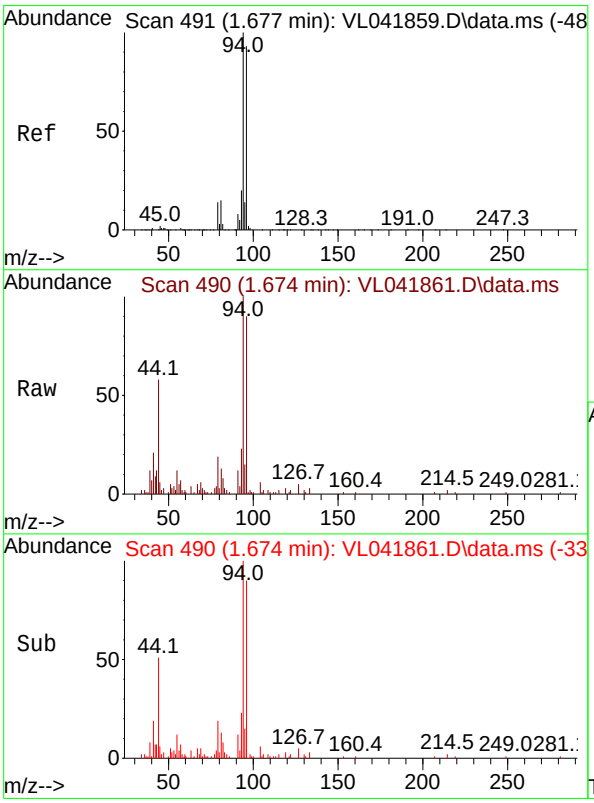
#5
Vinyl Chloride
Concen: 0.960 ppbv
RT: 1.586 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 9371

Ion	Ratio	Lower	Upper
62	100		
64	29.3	24.1	36.1

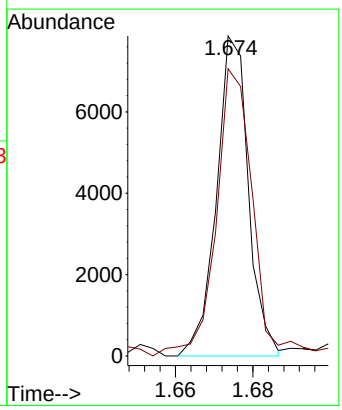


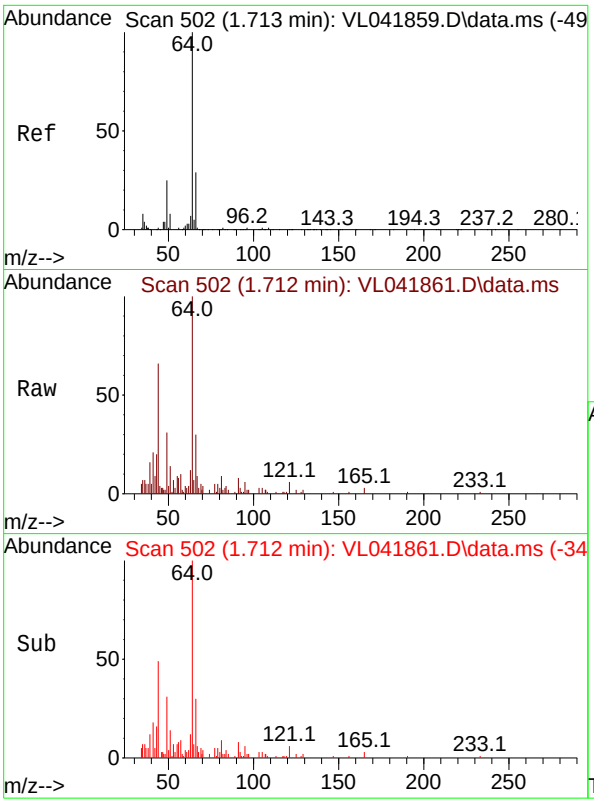


#6
Bromomethane
Concen: 1.079 ppbv
RT: 1.674 min Scan# 490
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 94 Resp: 4513

Ion	Ratio	Lower	Upper
94	100		
96	86.9	74.8	112.2



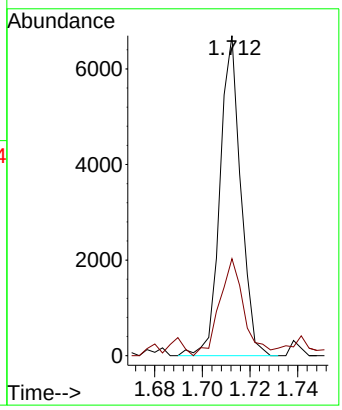


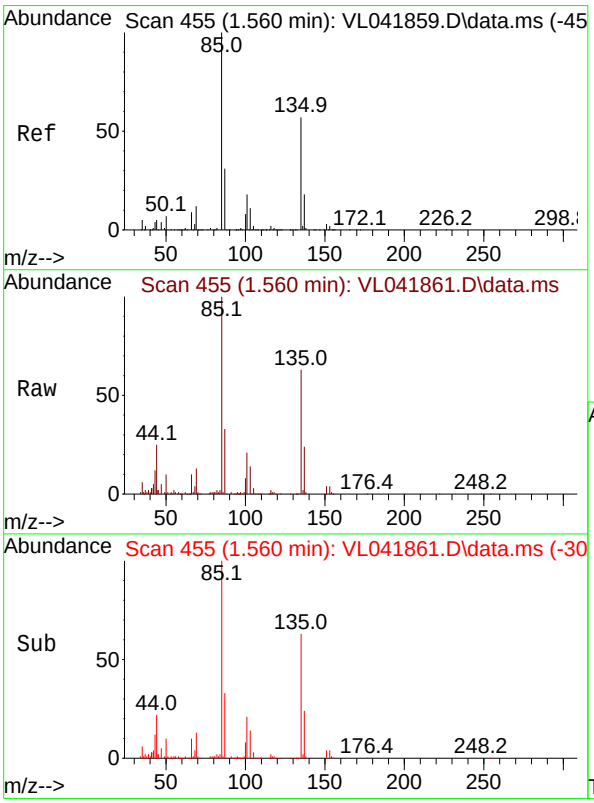
#7
Chloroethane
Concen: 1.077 ppbv
RT: 1.712 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 4049

Ion	Ratio	Lower	Upper
64	100		
66	30.3	23.0	34.6

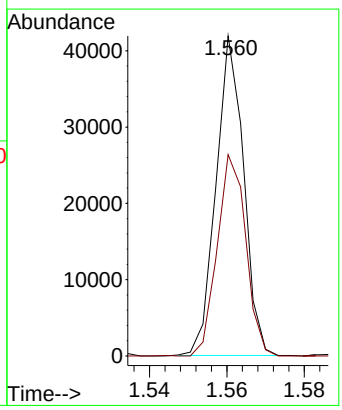


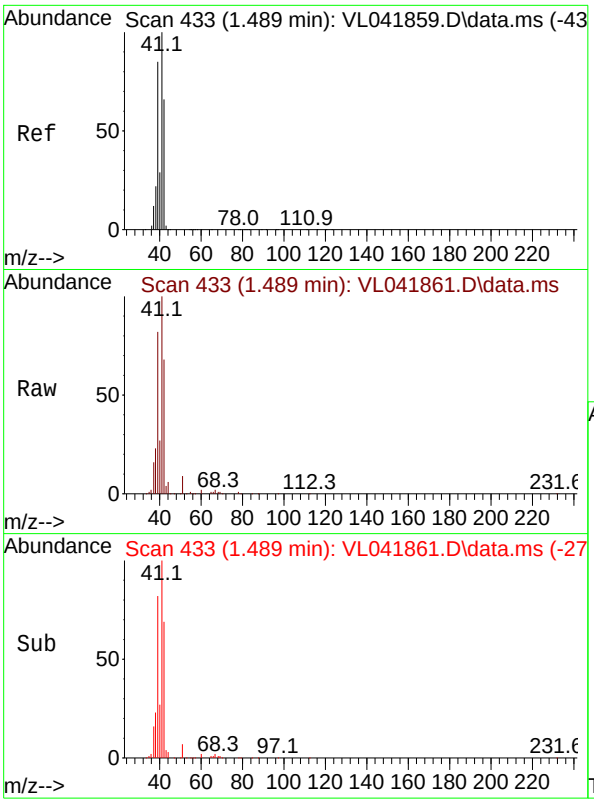


#8
Dichlorotetrafluoroethane
Concen: 1.019 ppbv
RT: 1.560 min Scan# 455
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 85 Resp: 20696

Ion	Ratio	Lower	Upper
85	100		
135	65.5	52.2	78.4



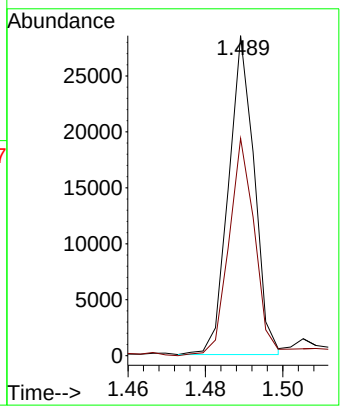


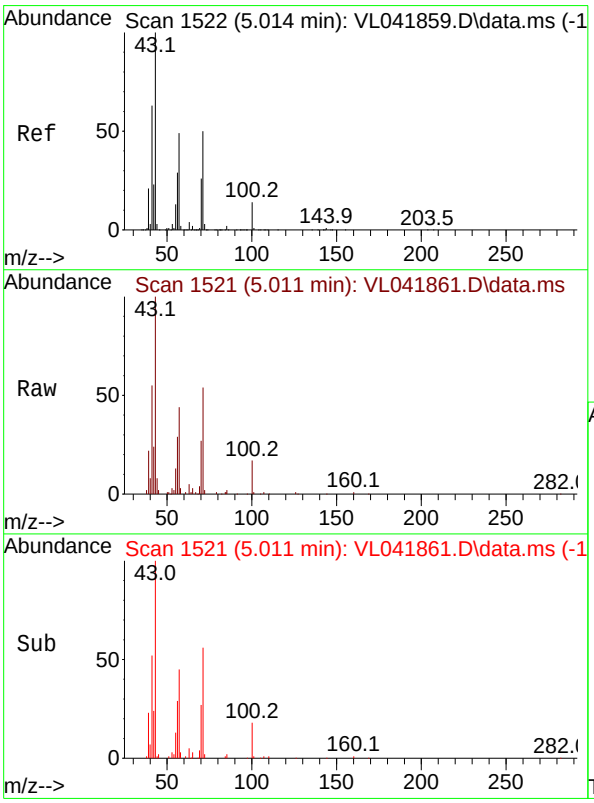
#9
Propene
Concen: 1.680 ppbv
RT: 1.489 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 13149

Ion	Ratio	Lower	Upper
41	100		
42	74.0	53.0	79.6

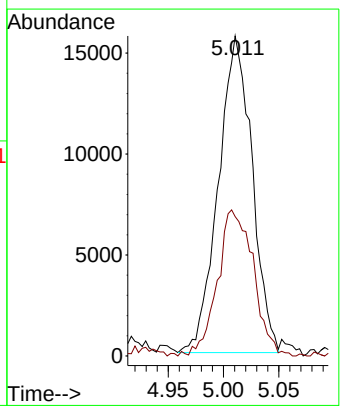


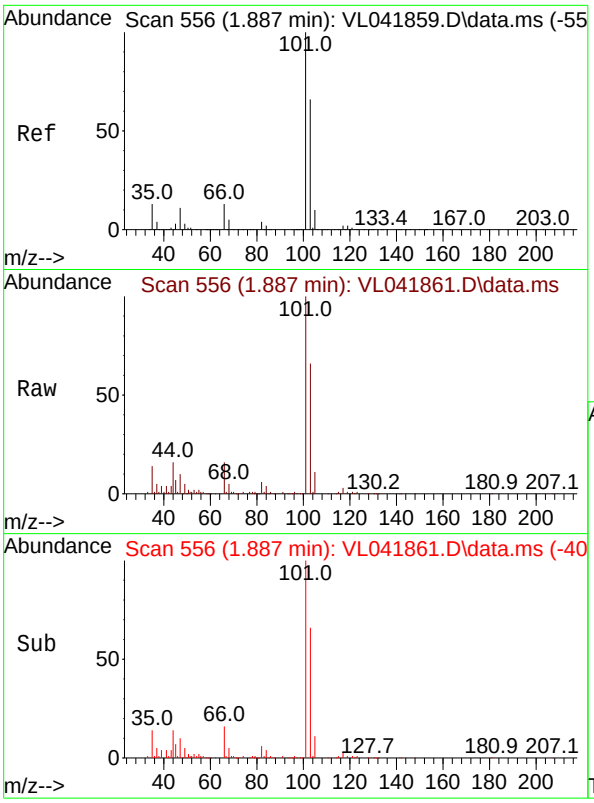


#10
Heptane
Concen: 1.722 ppbv
RT: 5.011 min Scan# 1521
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 43 Resp: 33313

Ion	Ratio	Lower	Upper
43	100		
57	49.2	40.2	60.2



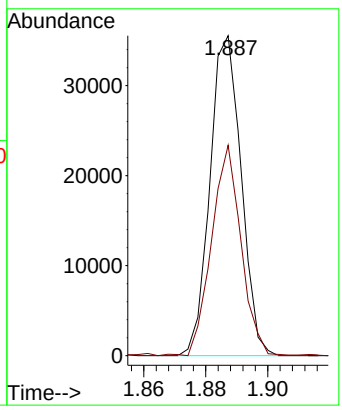


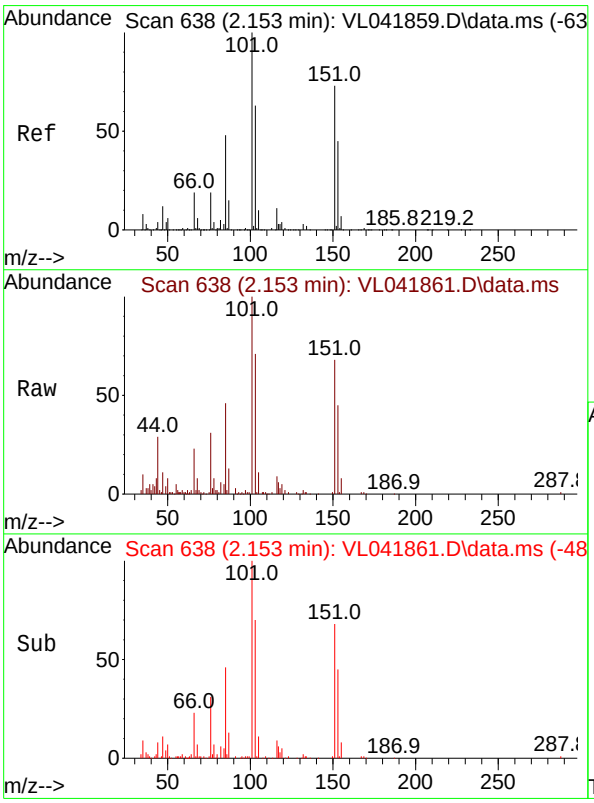
#11
Trichlorofluoromethane
Concen: 1.039 ppbv
RT: 1.887 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 24866

Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.6	78.8

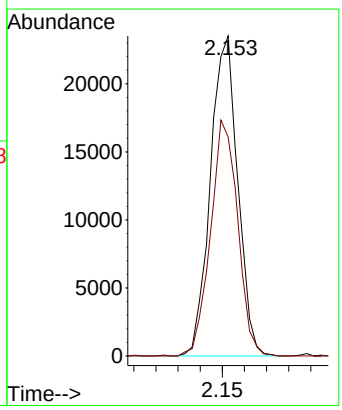


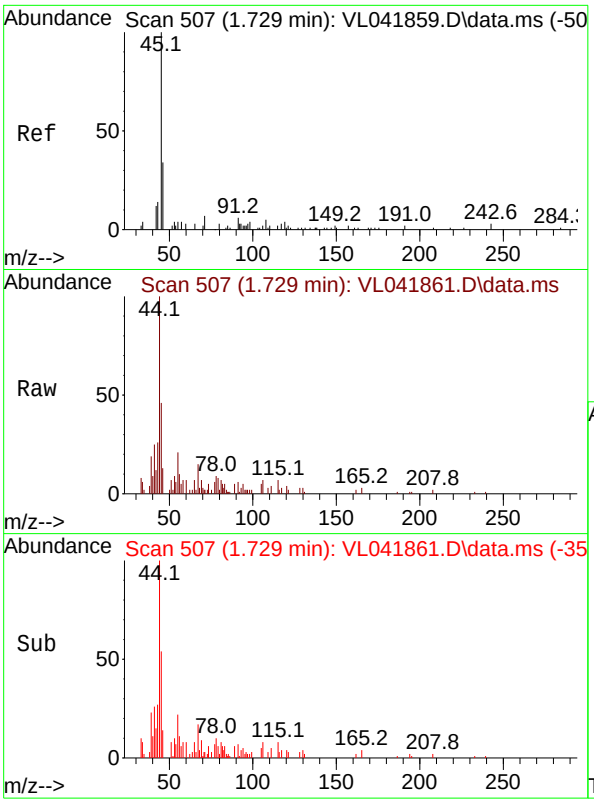


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.131 ppbv
RT: 2.153 min Scan# 638
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:101 Resp: 20153

Ion	Ratio	Lower	Upper
101	100		
151	73.4	59.4	89.0



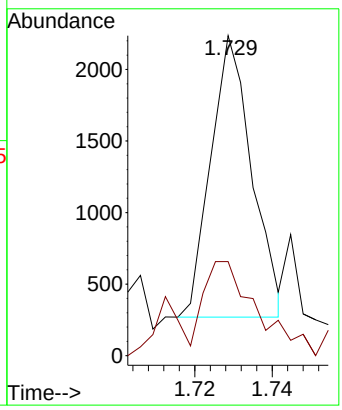


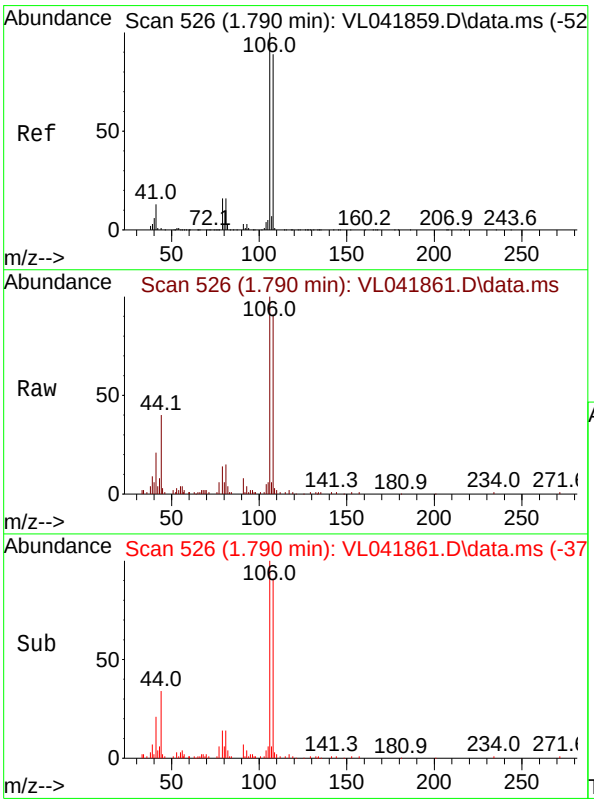
#13
Ethanol
Concen: 1.408 ppbv
RT: 1.729 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 1448

Ion	Ratio	Lower	Upper
45	100		
46	66.4	19.0	76.0

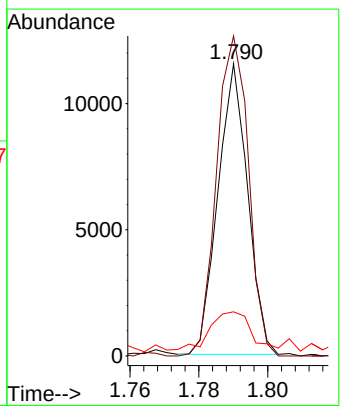


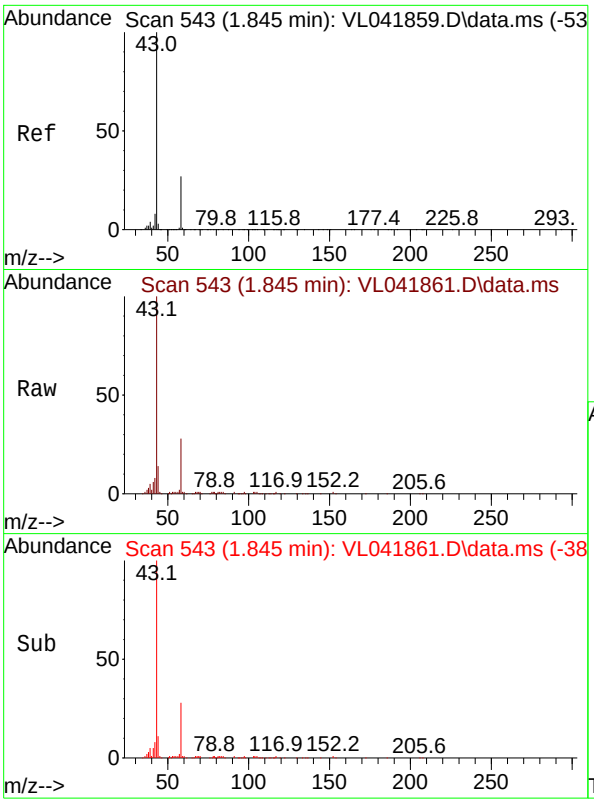


#14
Bromoethene
Concen: 1.185 ppbv
RT: 1.790 min Scan# 526
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:108 Resp: 6917

Ion	Ratio	Lower	Upper
108	100		
106	119.1	86.9	130.3
79	28.6	15.6	23.4#



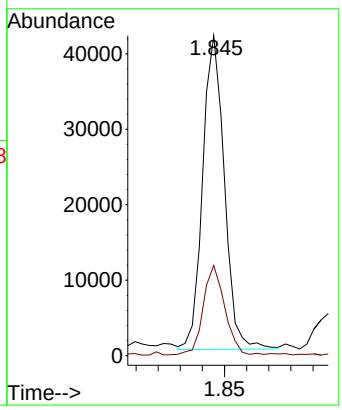


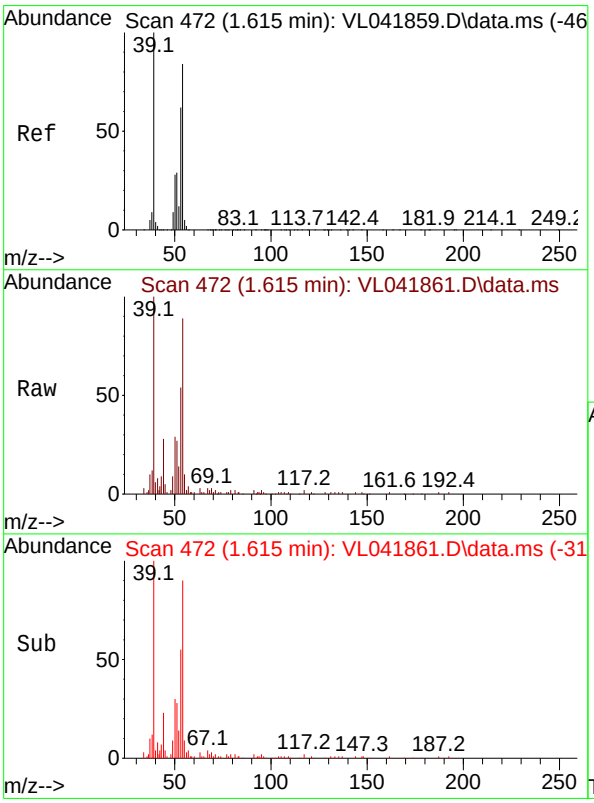
#15
Acetone
Concen: 1.070 ppbv
RT: 1.845 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 28258

Ion	Ratio	Lower	Upper
43	100		
58	30.0	22.7	34.1

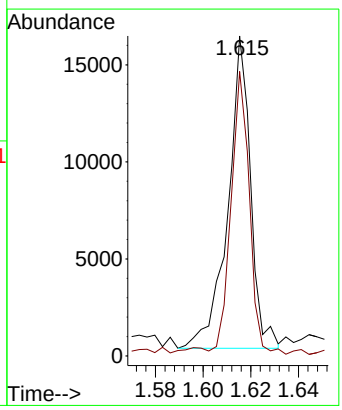


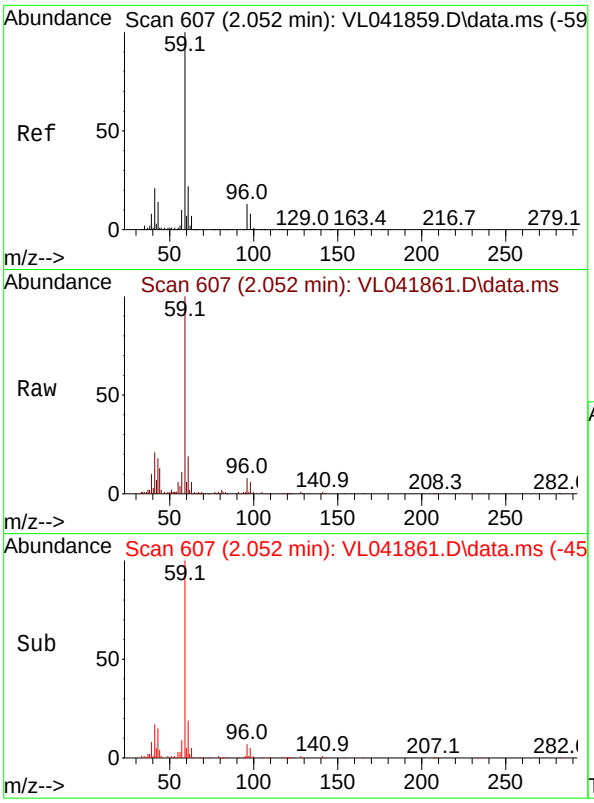


#16
1,3-Butadiene
Concen: 1.028 ppbv
RT: 1.615 min Scan# 472
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 39 Resp: 10650

Ion	Ratio	Lower	Upper
39	100		
54	76.1	60.1	90.1



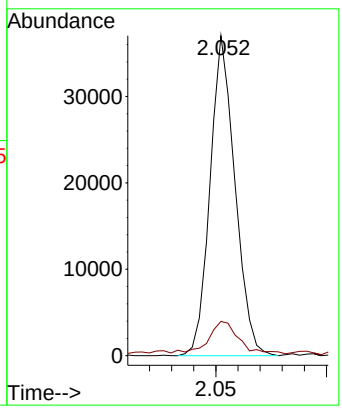


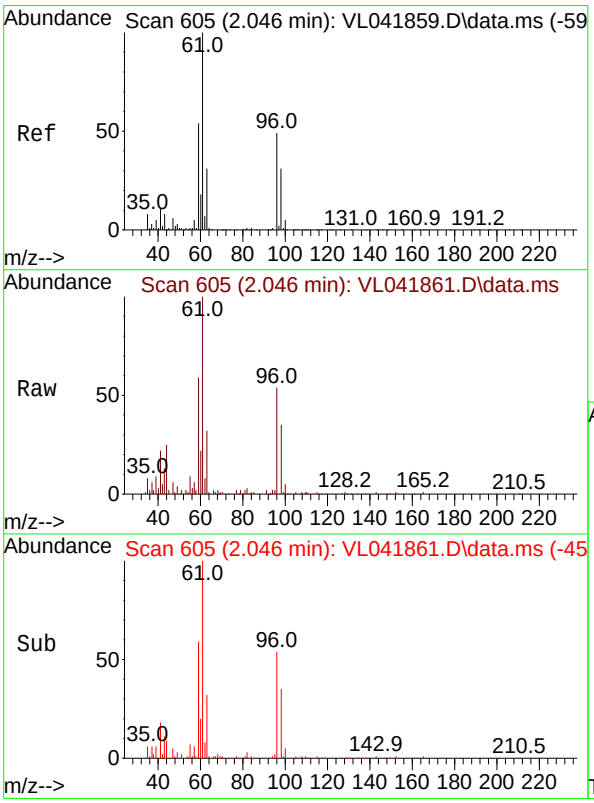
#17
tert-Butyl alcohol
Concen: 1.268 ppbv
RT: 2.052 min Scan# 6(
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 29021

Ion	Ratio	Lower	Upper
59	100		
57	15.3	8.2	12.4#

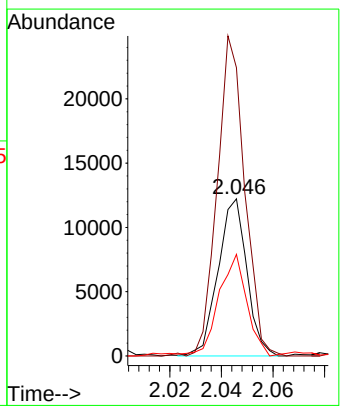


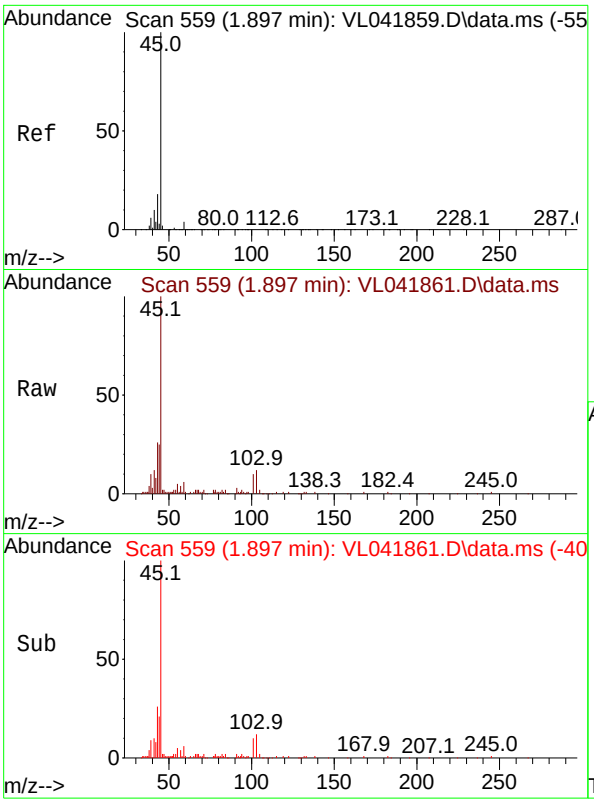


#18
1,1-Dichloroethene
Concen: 1.270 ppbv
RT: 2.046 min Scan# 605
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 96 Resp: 9481

Ion	Ratio	Lower	Upper
96	100		
61	181.8	161.7	242.5
98	63.8	51.0	76.4



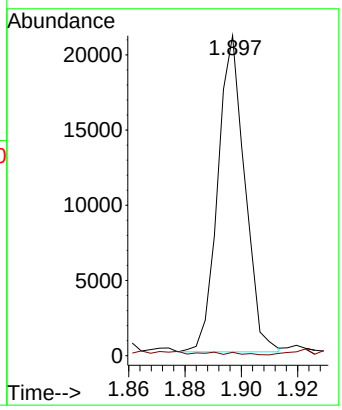


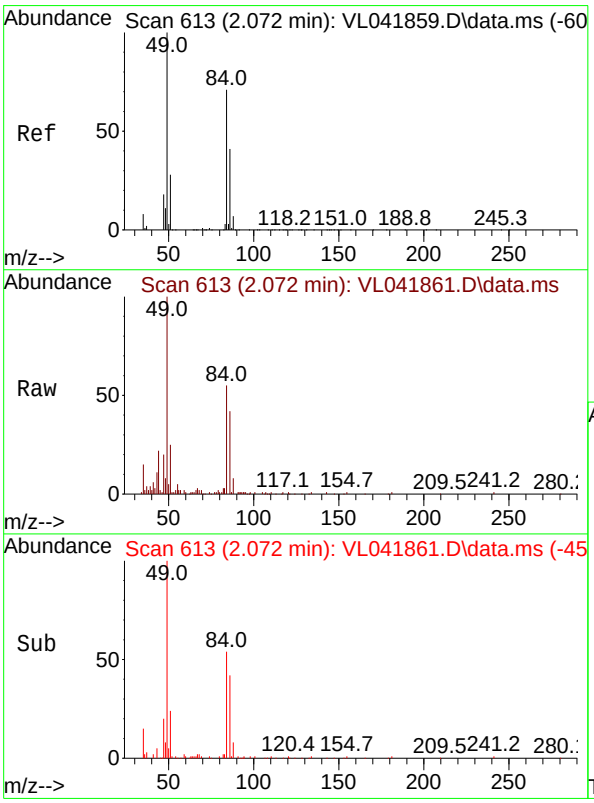
#19
Isopropyl Alcohol
Concen: 1.127 ppbv
RT: 1.897 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 13968

Ion	Ratio	Lower	Upper
45	100		
58	2.9	37.0	55.6#

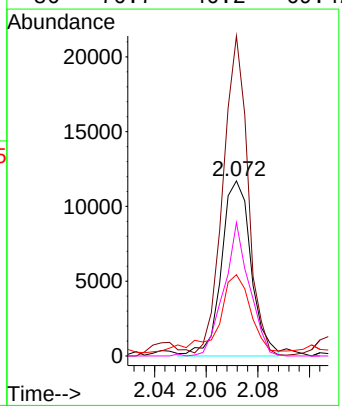


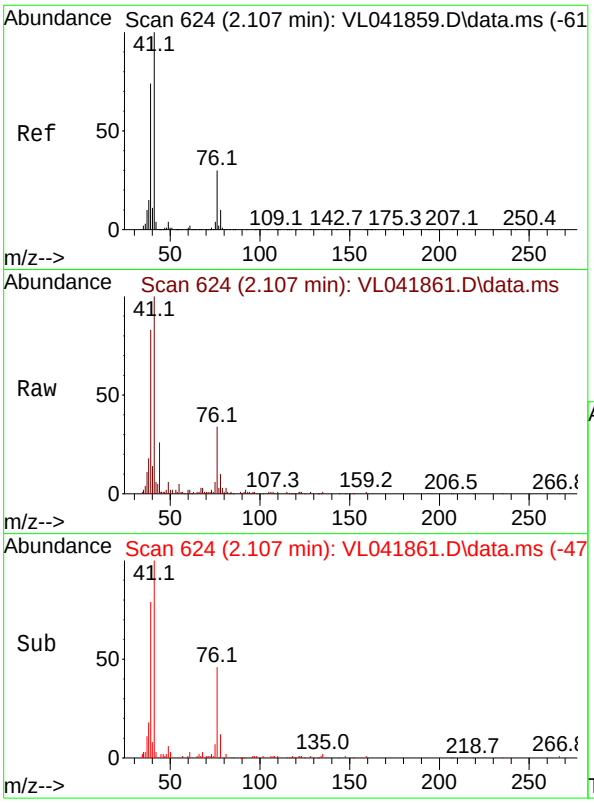


#20
Methylene Chloride
Concen: 1.235 ppbv
RT: 2.072 min Scan# 613
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 84 Resp: 9326

Ion	Ratio	Lower	Upper
84	100		
49	184.6	113.8	170.8#
51	44.2	33.5	50.3
86	76.7	46.2	69.4#



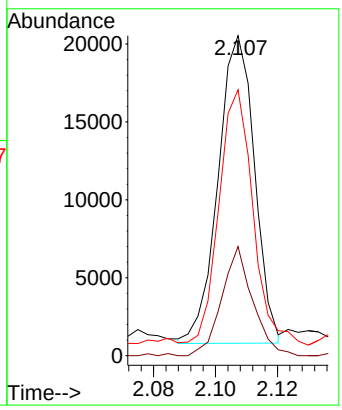


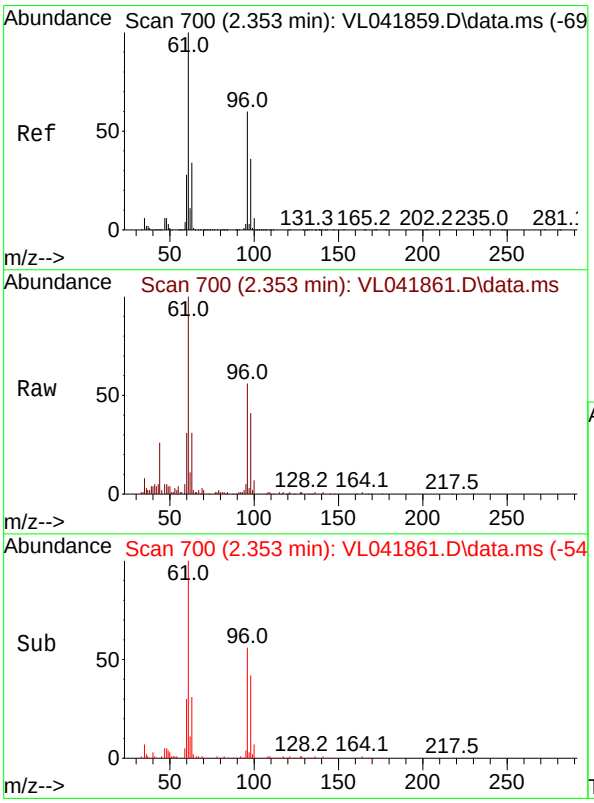
#21
Allyl Chloride
Concen: 1.184 ppbv
RT: 2.107 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 16109

Ion	Ratio	Lower	Upper
41	100		
76	30.5	24.6	36.8
39	81.6	60.1	90.1

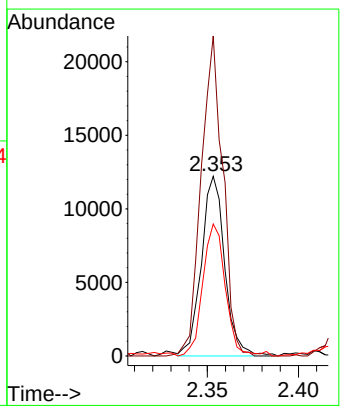


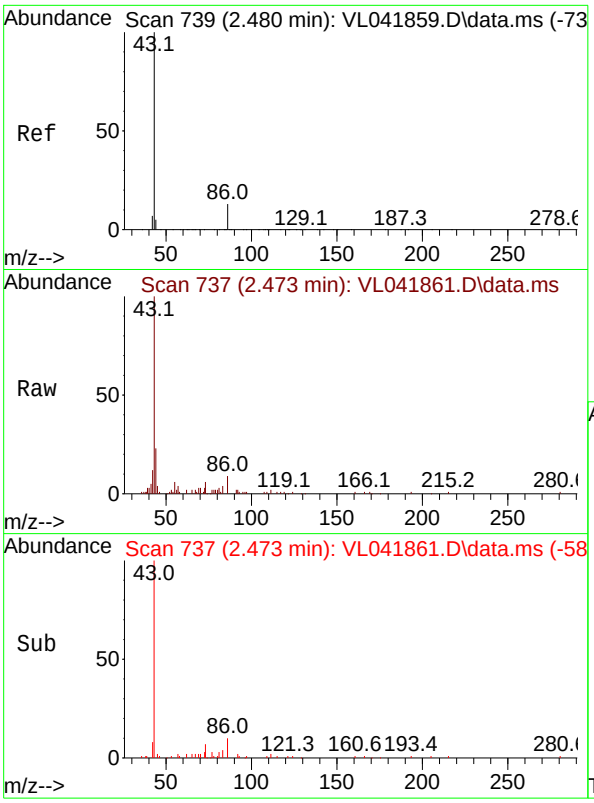


#22
trans-1,2-Dichloroethene
Concen: 1.307 ppbv
RT: 2.353 min Scan# 700
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 96 Resp: 10902

Ion	Ratio	Lower	Upper
96	100		
61	178.1	134.2	201.4
98	73.4	49.0	73.4



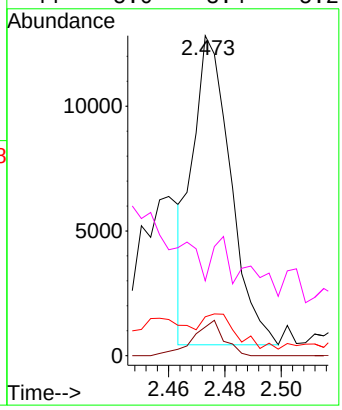


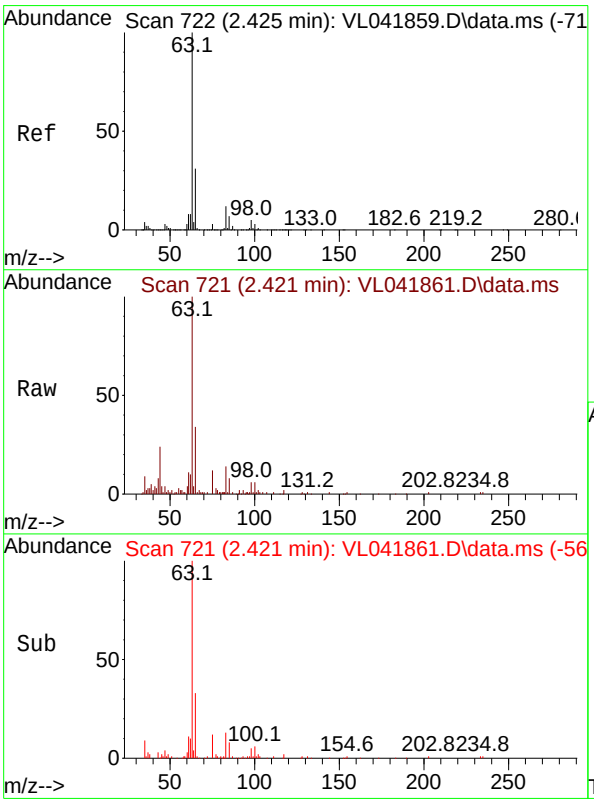
#23
Vinyl Acetate
Concen: 1.420 ppbv
RT: 2.473 min Scan# 7
Delta R.T. -0.007 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 11666

Ion	Ratio	Lower	Upper
43	100		
86	9.3	7.8	11.6
42	10.4	7.0	10.4
44	5.0	3.4	5.2

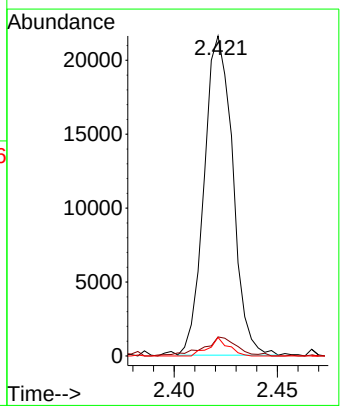


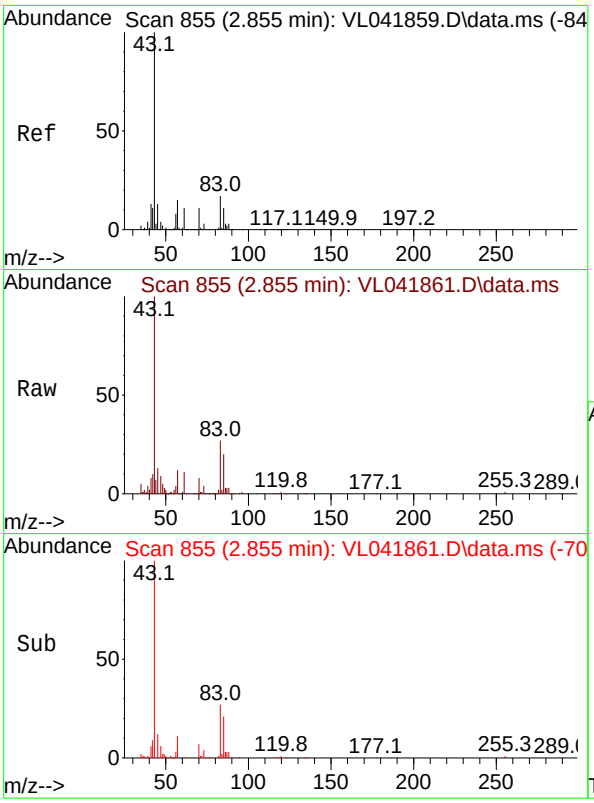


#24
1,1-Dichloroethane
Concen: 1.137 ppbv
RT: 2.421 min Scan# 721
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 63 Resp: 20750

Ion	Ratio	Lower	Upper
63	100		
98	6.0	2.3	6.9
100	5.8	1.3	3.8#



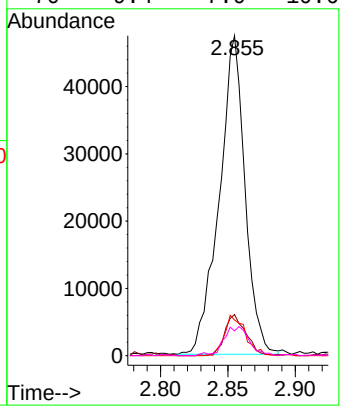


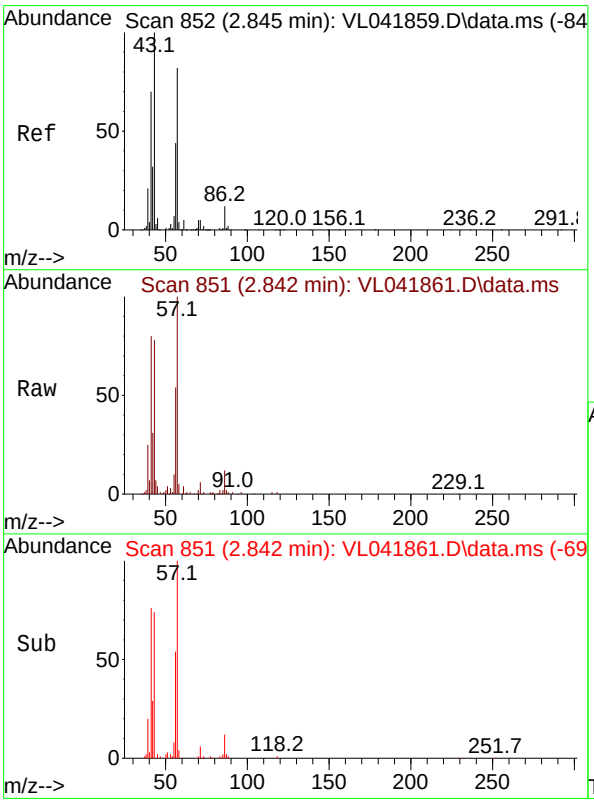
#25
Ethyl Acetate
Concen: 1.421 ppbv
RT: 2.855 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 62927

Ion	Ratio	Lower	Upper
43	100		
45	10.9	8.4	12.6
61	10.4	7.3	10.9
70	9.4	7.0	10.6

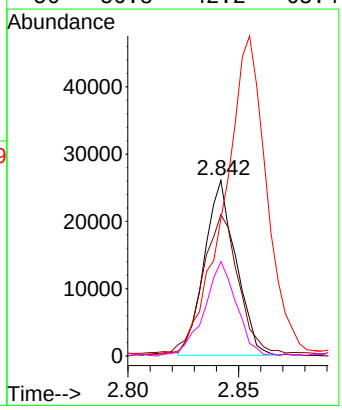


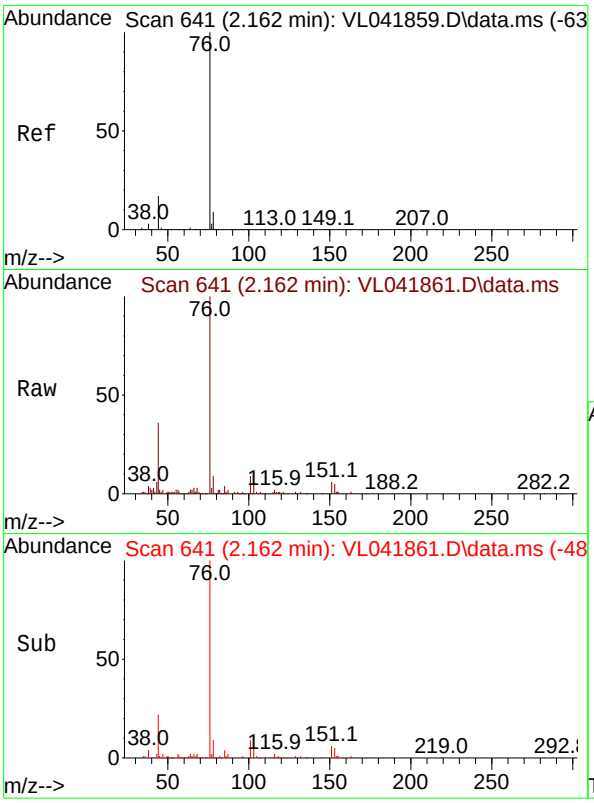


#26
Hexane
Concen: 1.678 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 57 Resp: 25792

Ion	Ratio	Lower	Upper
57	100		
41	95.7	71.5	107.3
43	245.4	200.2	300.4
56	56.8	42.2	63.4



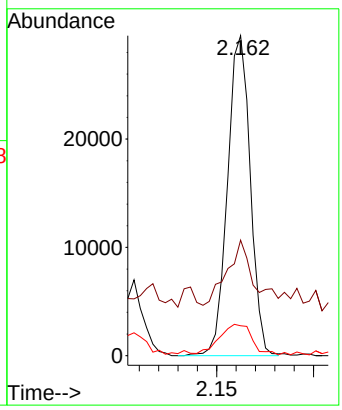


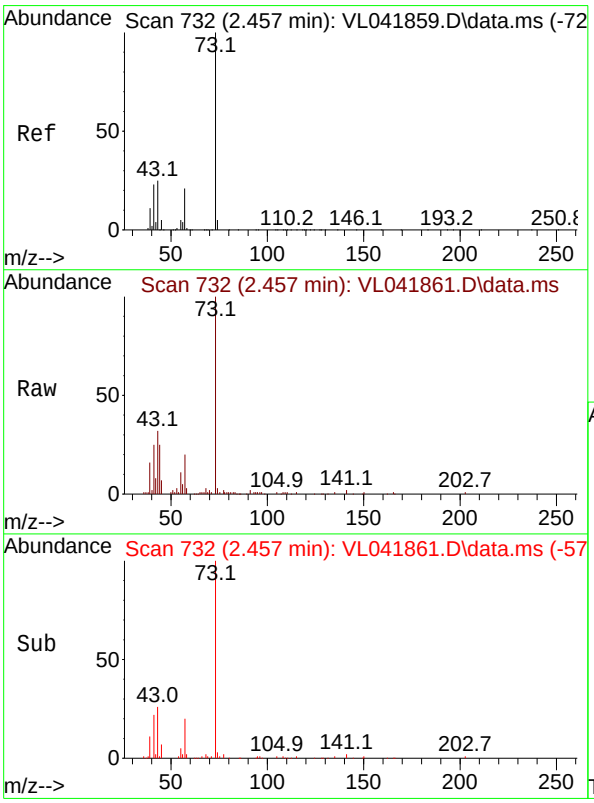
#27
Carbon Disulfide
Concen: 1.654 ppbv
RT: 2.162 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 24132

Ion	Ratio	Lower	Upper
76	100		
44	64.7	13.1	19.7#
78	15.9	9.5	14.3#

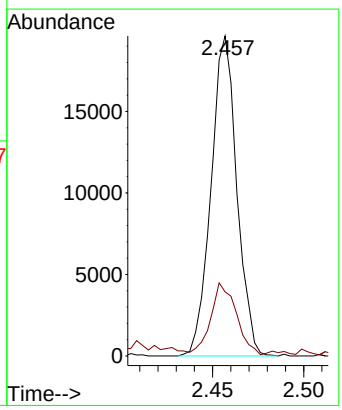


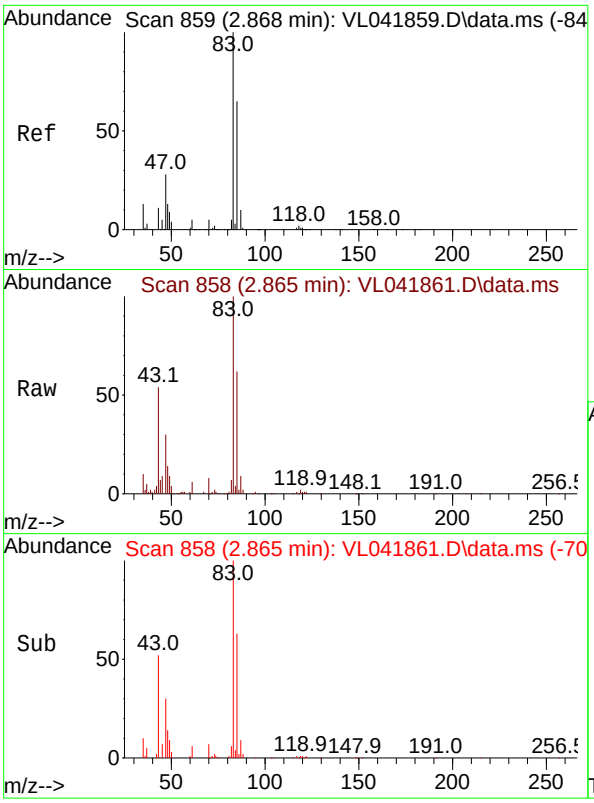


#28
Methyl tert-Butyl Ether
Concen: 1.669 ppbv
RT: 2.457 min Scan# 732
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 73 Resp: 19330

Ion	Ratio	Lower	Upper
73	100		
57	25.7	17.5	26.3



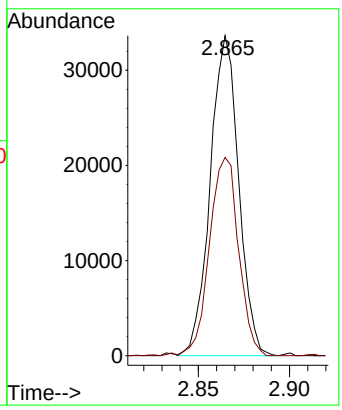


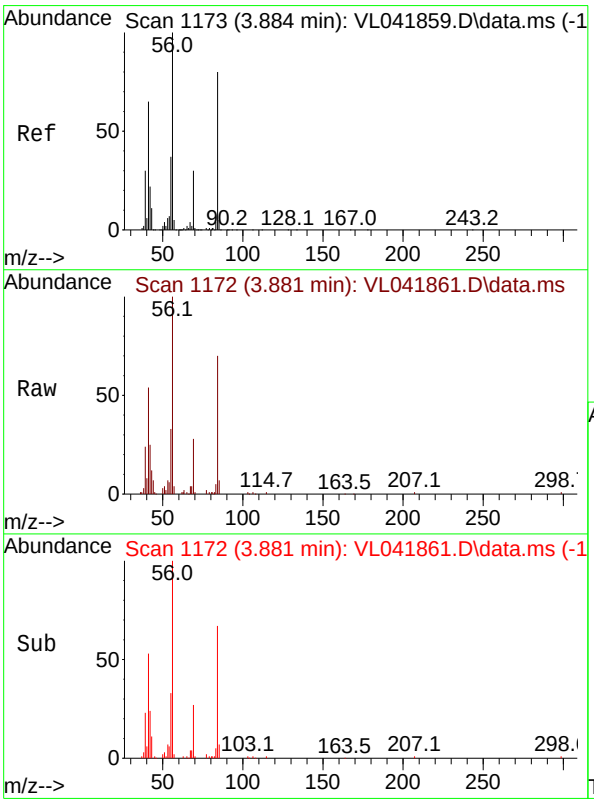
#29
Chloroform
Concen: 1.276 ppbv
RT: 2.865 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 36445

Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.7	77.5

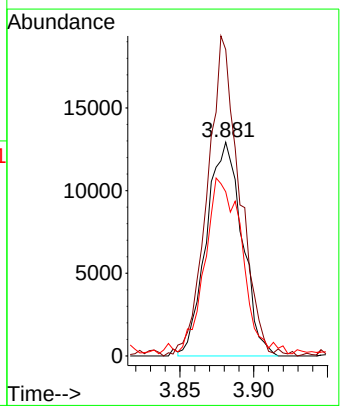


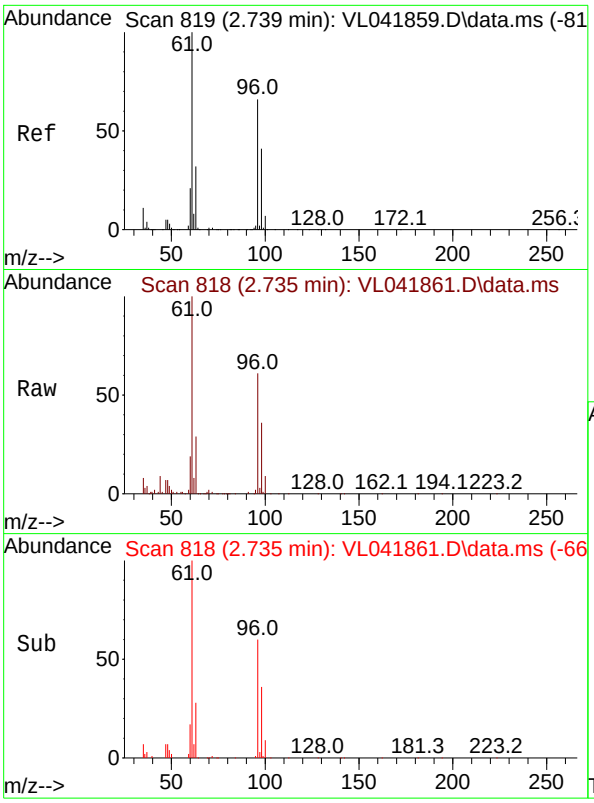


#30
Cyclohexane
Concen: 1.870 ppbv
RT: 3.881 min Scan# 1172
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 84 Resp: 21797

Ion	Ratio	Lower	Upper
84	100		
56	136.8	100.7	151.1
41	85.7	62.8	94.2



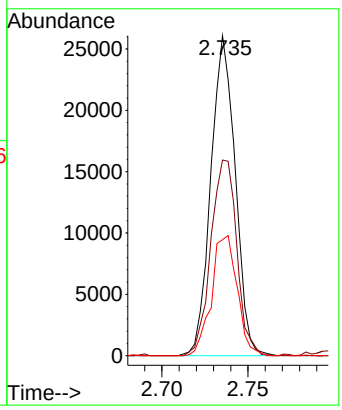


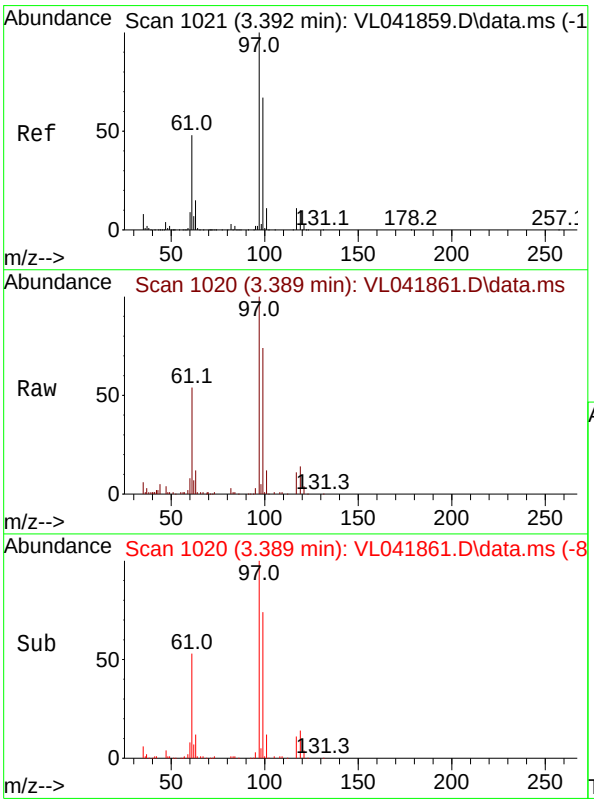
#31
cis-1,2-Dichloroethene
Concen: 1.626 ppbv
RT: 2.735 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 25721

Ion	Ratio	Lower	Upper
61	100		
96	61.2	53.2	79.8
98	36.3	32.5	48.7

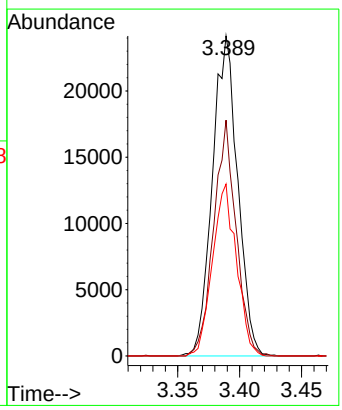


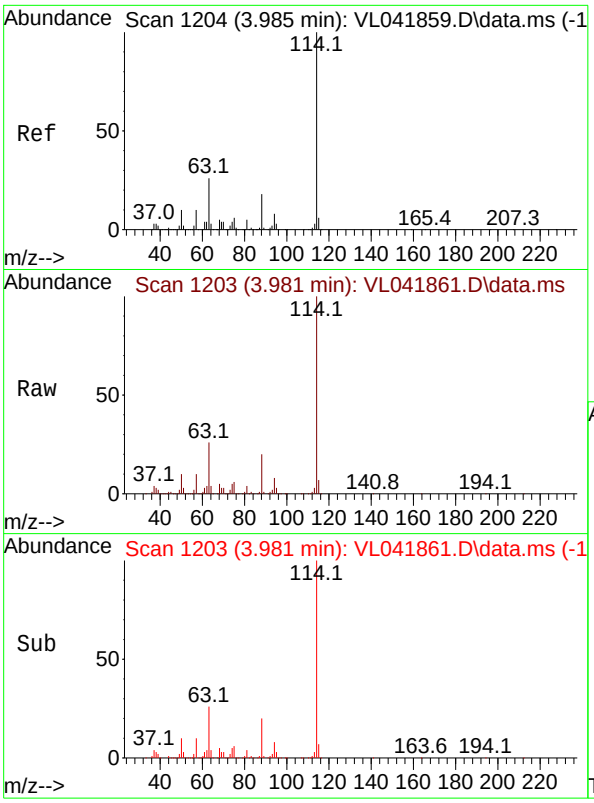


#32
1,1,1-Trichloroethane
Concen: 1.327 ppbv
RT: 3.389 min Scan# 1020
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 97 Resp: 34347

Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.0	78.0
61	50.9	38.8	58.2



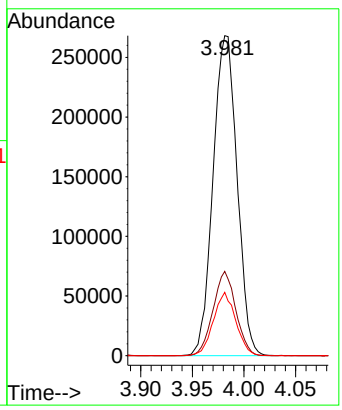


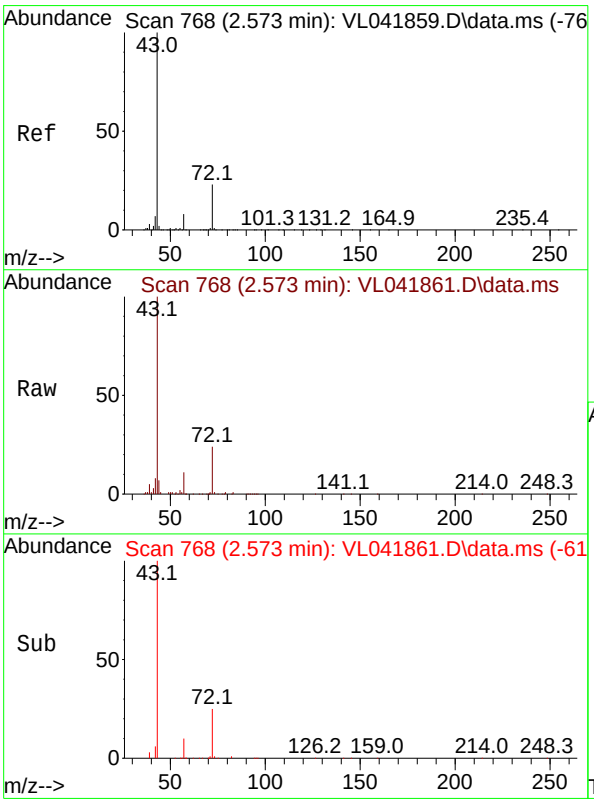
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 434494

Ion	Ratio	Lower	Upper
114	100		
63	25.0	20.3	30.5
88	18.5	14.6	21.8

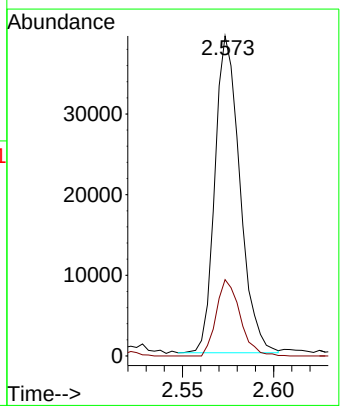


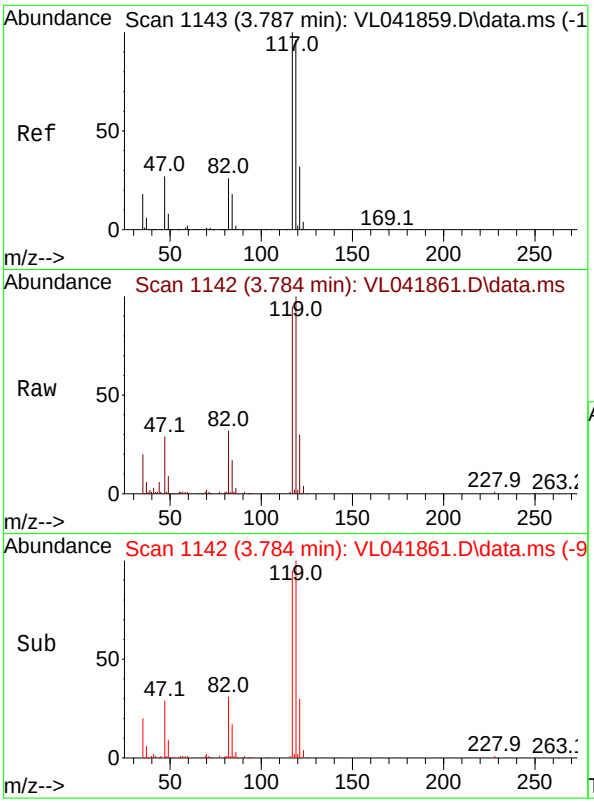


#34
2-Butanone
Concen: 1.093 ppbv
RT: 2.573 min Scan# 768
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 43 Resp: 37395

Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.5	27.7



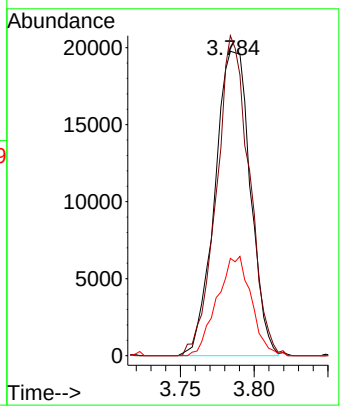


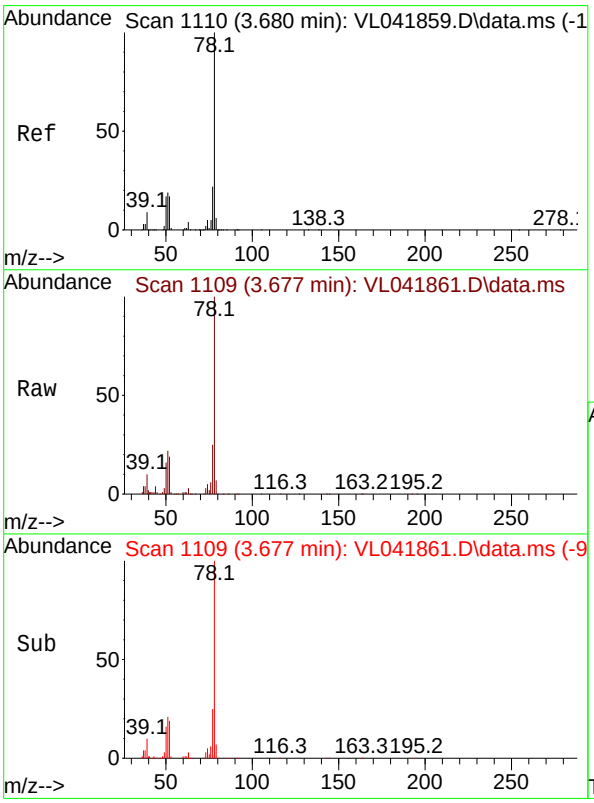
#35
Carbon Tetrachloride
Concen: 1.008 ppbv
RT: 3.784 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 33087

Ion	Ratio	Lower	Upper
117	100		
119	105.1	76.9	115.3
121	32.0	25.9	38.9

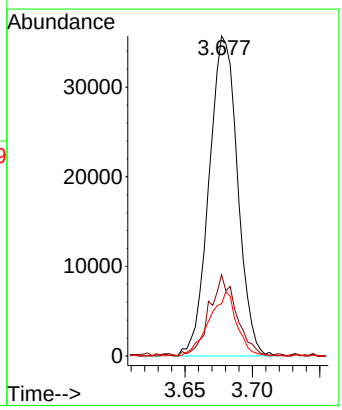


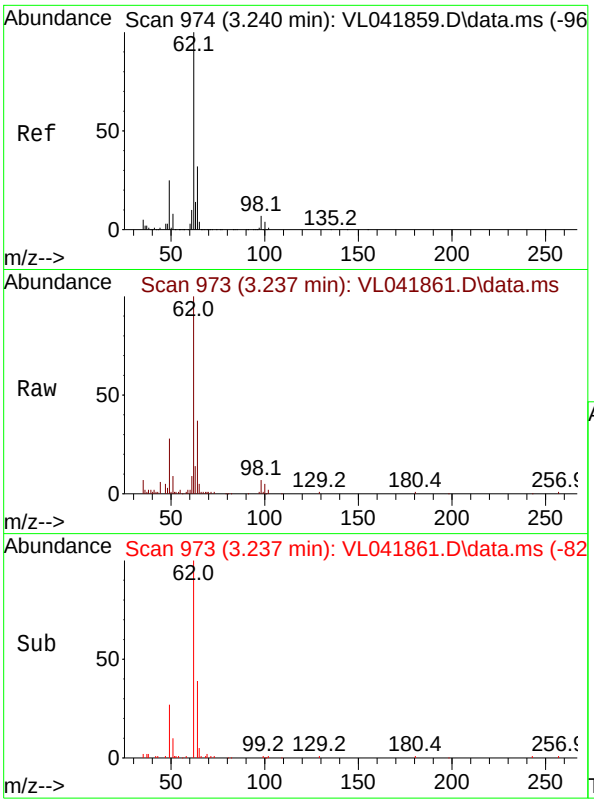


#36
Benzene
Concen: 1.268 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 78 Resp: 52621

Ion	Ratio	Lower	Upper
78	100		
77	25.2	17.9	26.9
50	16.3	13.7	20.5



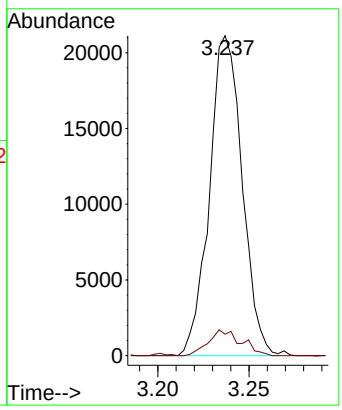


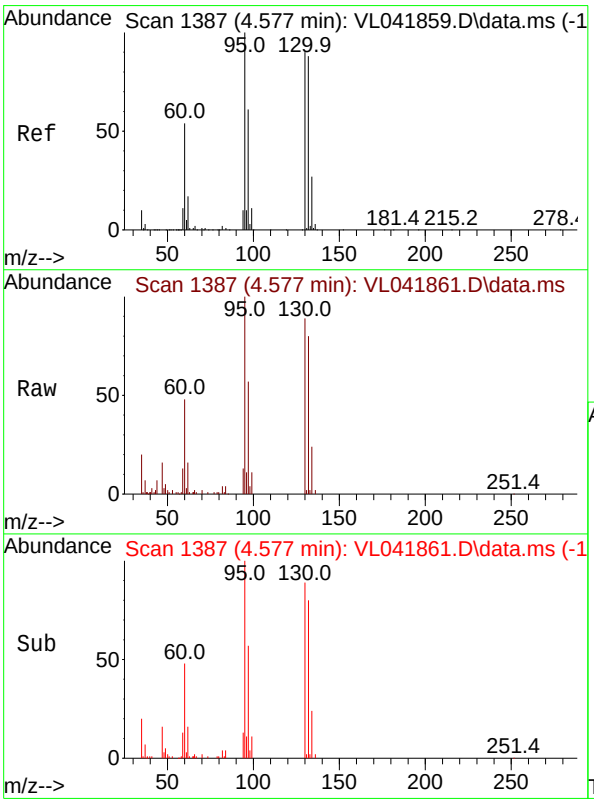
#37
1,2-Dichloroethane
Concen: 0.966 ppbv
RT: 3.237 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 26348

Ion	Ratio	Lower	Upper
62	100		
98	8.4	5.6	8.4#

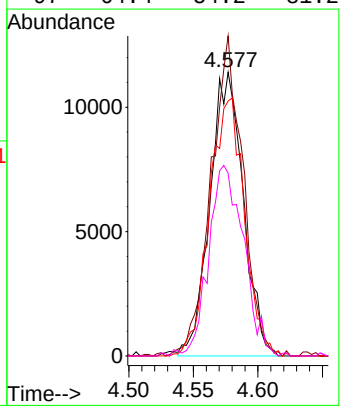


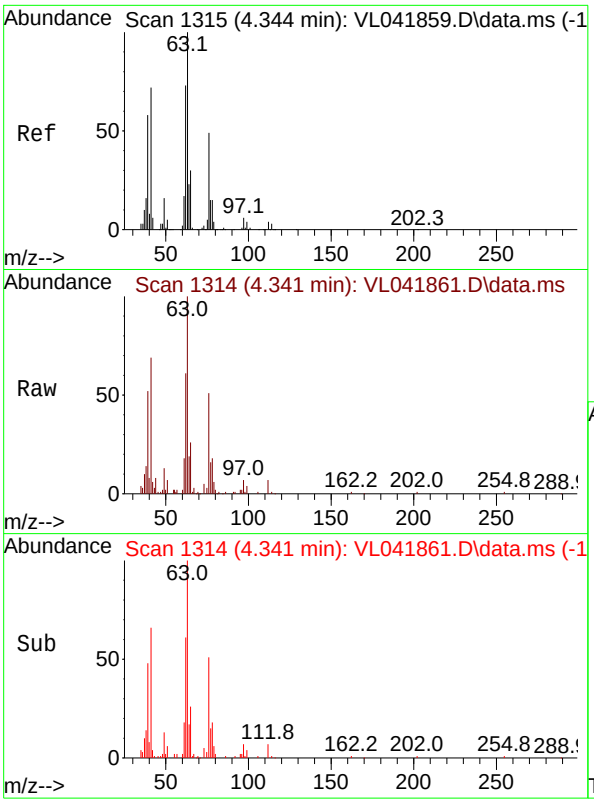


#38
Trichloroethene
Concen: 1.284 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:130 Resp: 20492

Ion	Ratio	Lower	Upper
130	100		
95	111.3	88.5	132.7
132	89.1	78.2	117.2
97	64.4	54.2	81.2



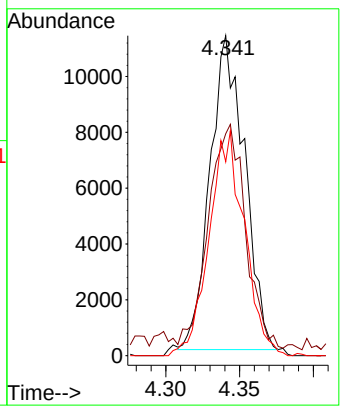


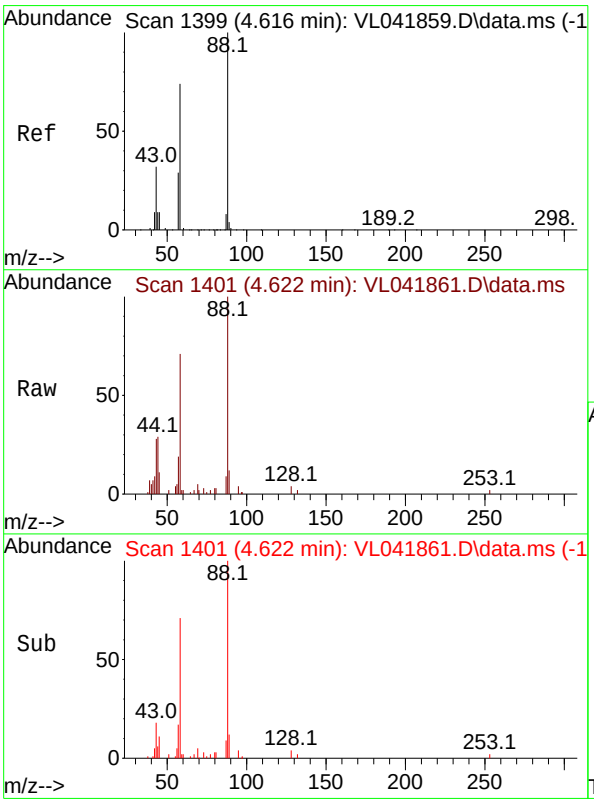
#39
1,2-Dichloropropane
Concen: 1.142 ppbv
RT: 4.341 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 18342

Ion	Ratio	Lower	Upper
63	100		
41	67.7	58.0	87.0
62	60.4	58.6	87.8

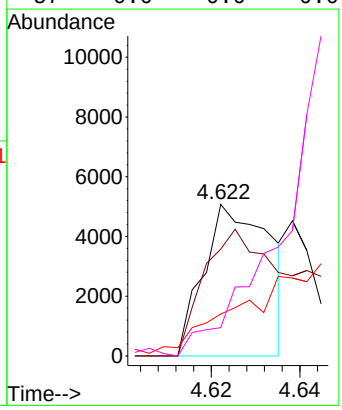


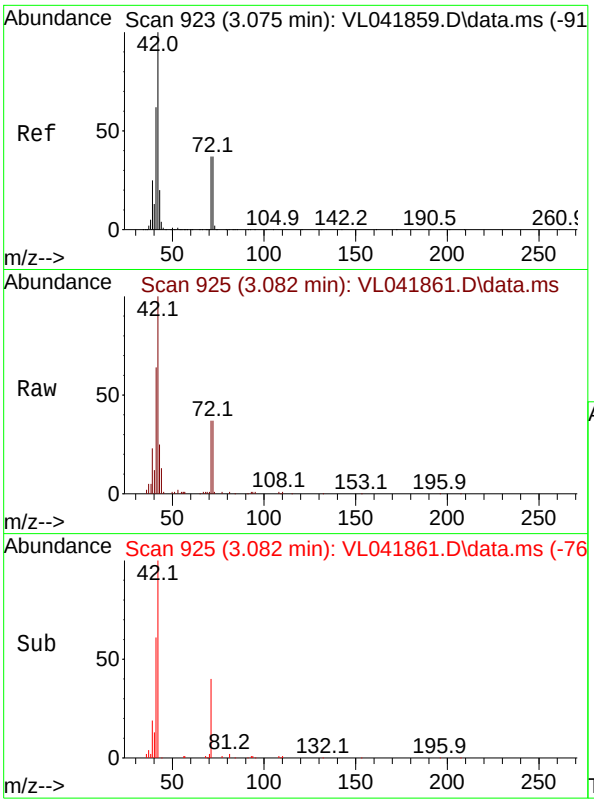


#40
1,4-Dioxane
Concen: 0.844 ppbv
RT: 4.622 min Scan# 1401
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 88 Resp: 5243

Ion	Ratio	Lower	Upper
88	100		
58	221.4	52.2	78.4#
43	0.0	0.0	0.0
57	0.0	0.0	0.0



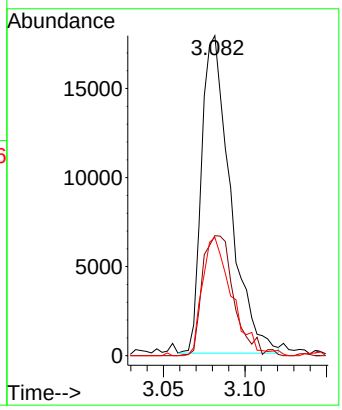


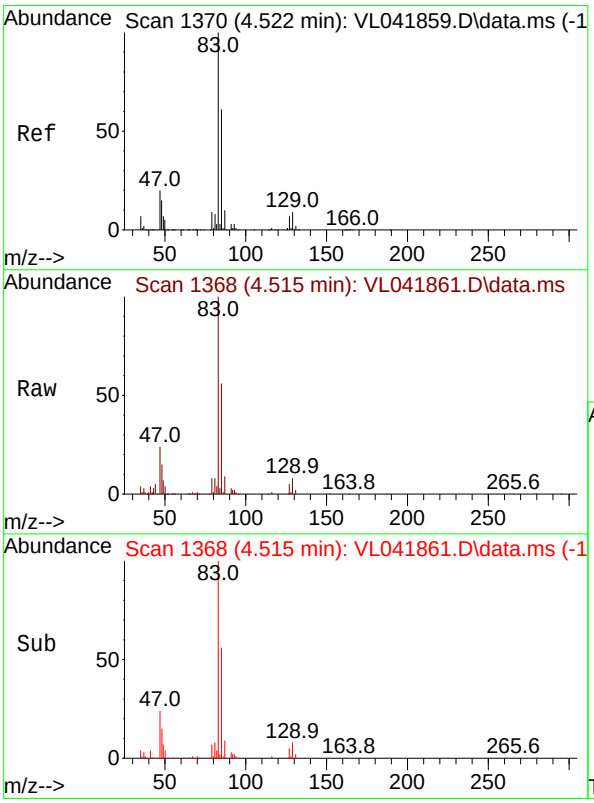
#41
Tetrahydrofuran
Concen: 1.352 ppbv
RT: 3.082 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 21802

Ion	Ratio	Lower	Upper
42	100		
72	41.7	30.8	46.2
71	38.7	30.1	45.1

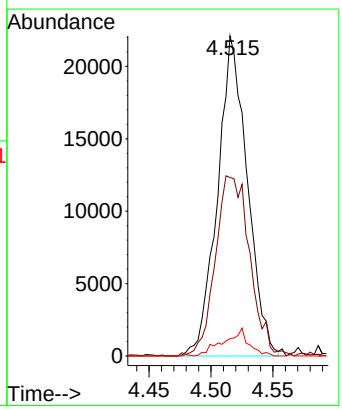


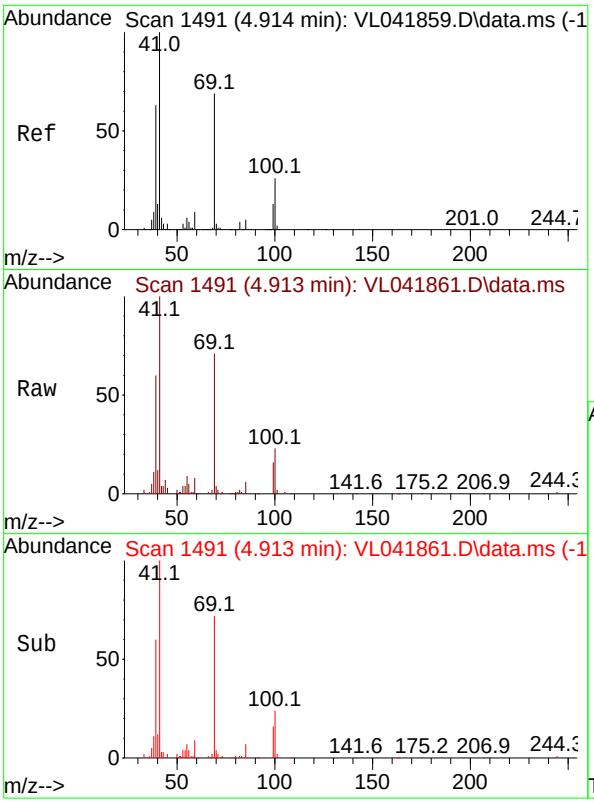


#42
Bromodichloromethane
Concen: 1.158 ppbv
RT: 4.515 min Scan# 1368
Delta R.T. -0.007 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 83 Resp: 37075

Ion	Ratio	Lower	Upper
83	100		
85	55.8	48.9	73.3
127	5.4	5.4	8.2#



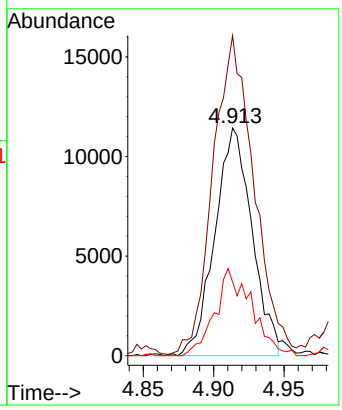


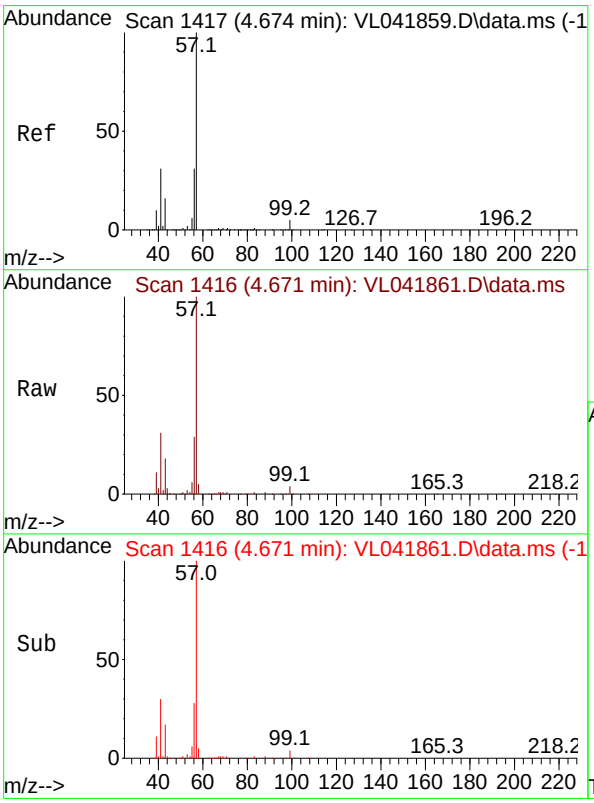
#43
Methyl Methacrylate
Concen: 1.610 ppbv
RT: 4.913 min Scan# 14
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 69 Resp: 20990

Ion	Ratio	Lower	Upper
69	100		
41	153.4	116.2	174.4
100	37.8	29.8	44.8

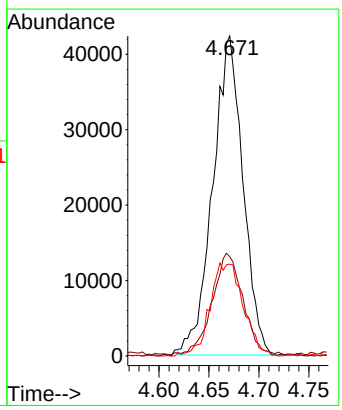


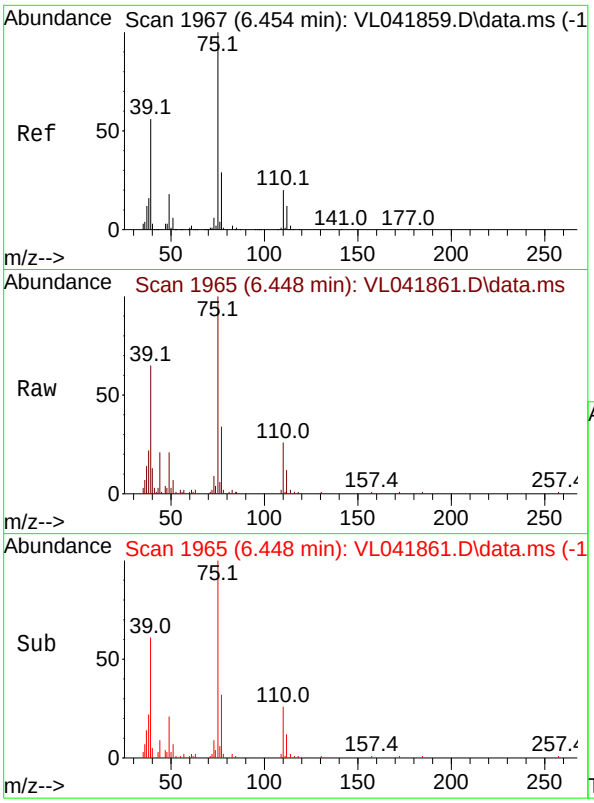


#44
2,2,4-Trimethylpentane
Concen: 1.302 ppbv
RT: 4.671 min Scan# 1416
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 57 Resp: 89035

Ion	Ratio	Lower	Upper
57	100		
41	31.9	25.5	38.3
56	31.9	25.6	38.4



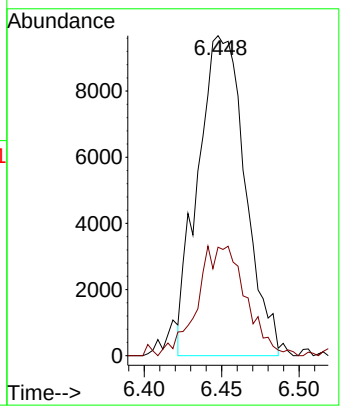


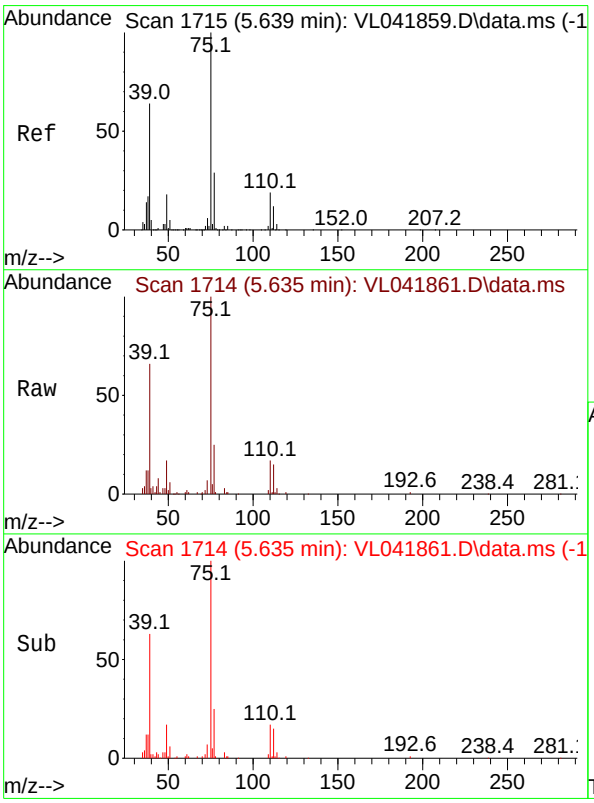
#45
t-1,3-Dichloropropene
Concen: 1.611 ppbv
RT: 6.448 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 20502

Ion	Ratio	Lower	Upper
75	100		
77	33.9	23.4	35.2

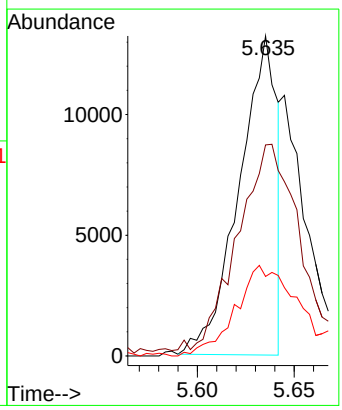


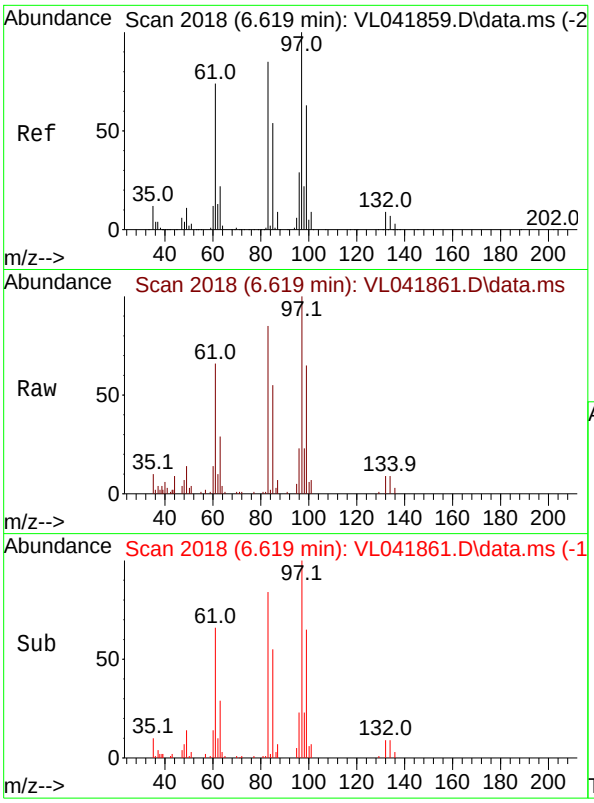


#46
cis-1,3-Dichloropropene
Concen: 1.071 ppbv
RT: 5.635 min Scan# 1714
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 75 Resp: 17954

Ion	Ratio	Lower	Upper
75	100		
39	64.4	51.4	77.2
77	25.0	23.0	34.4



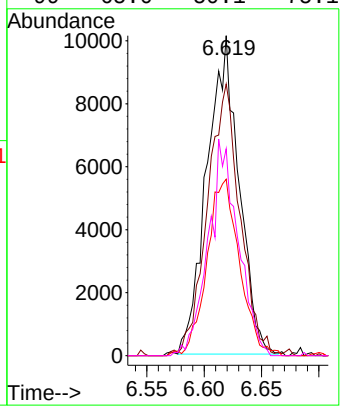


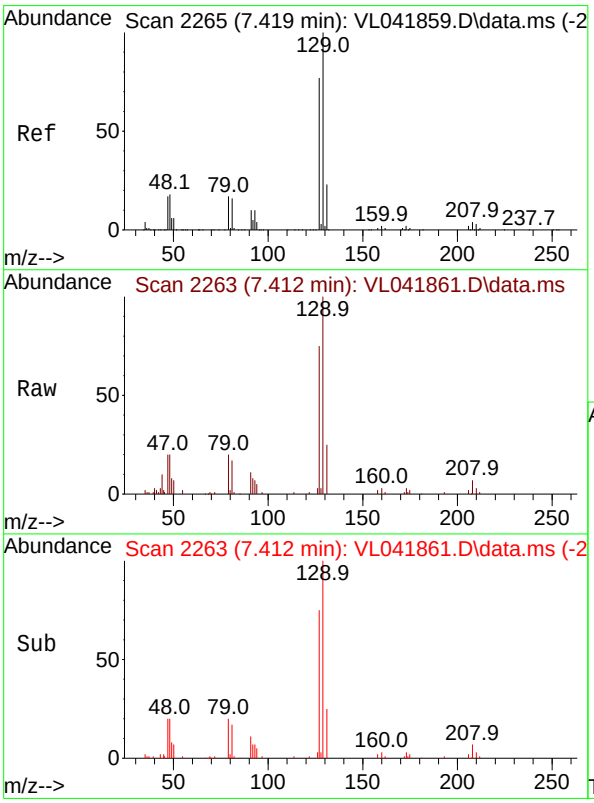
#47
1,1,2-Trichloroethane
Concen: 1.157 ppbv
RT: 6.619 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 19621

Ion	Ratio	Lower	Upper
97	100		
83	84.4	68.1	102.1
85	54.0	43.4	65.2
99	65.0	50.1	75.1

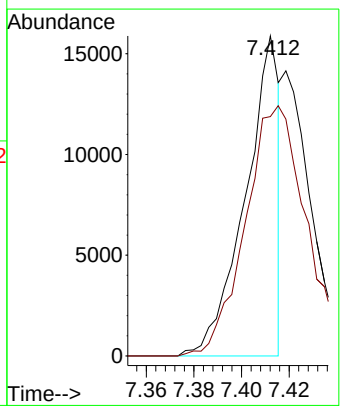


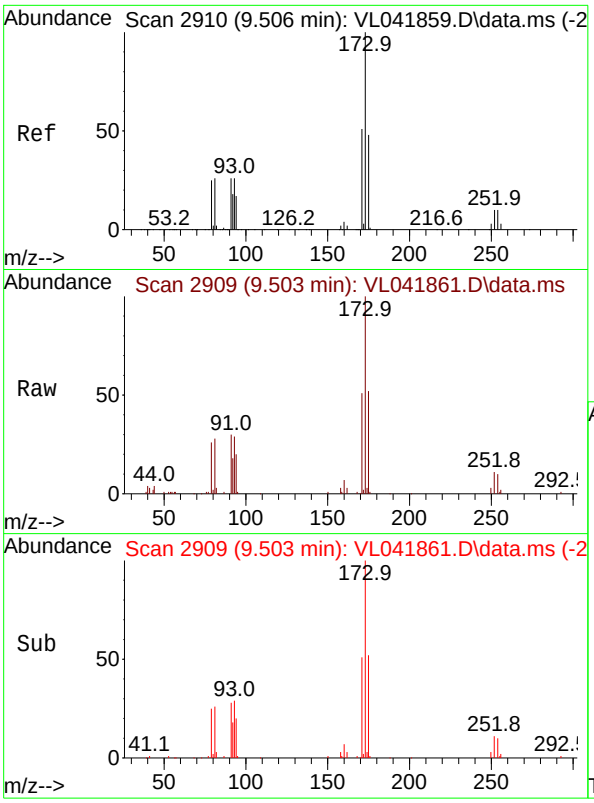


#48
Dibromochloromethane
Concen: 0.726 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. -0.007 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:129 Resp: 15685

Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.4	118.1#



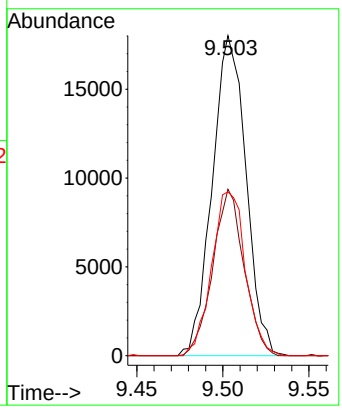


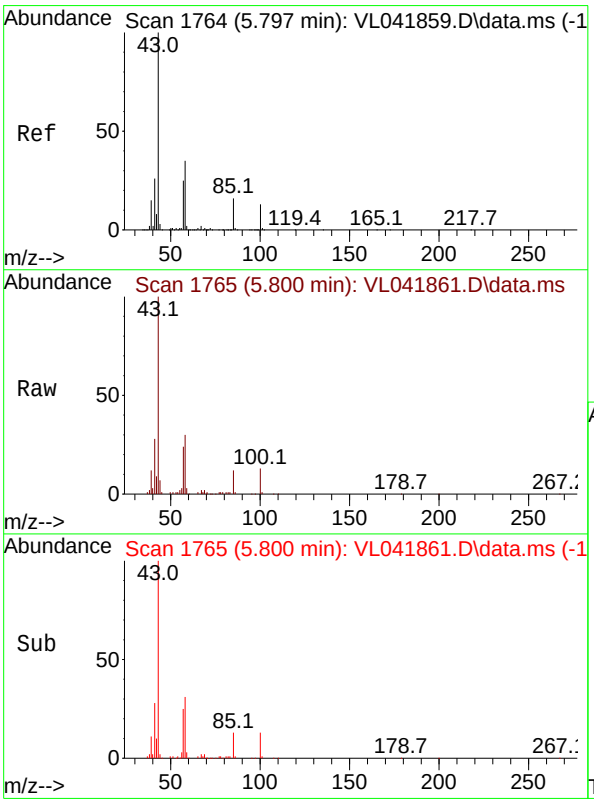
#49
Bromoform
Concen: 1.418 ppbv
RT: 9.503 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 24569

Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.2	57.2
171	51.2	41.3	61.9

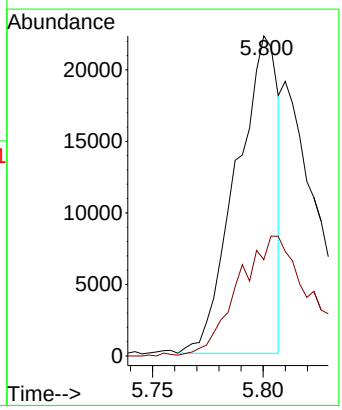


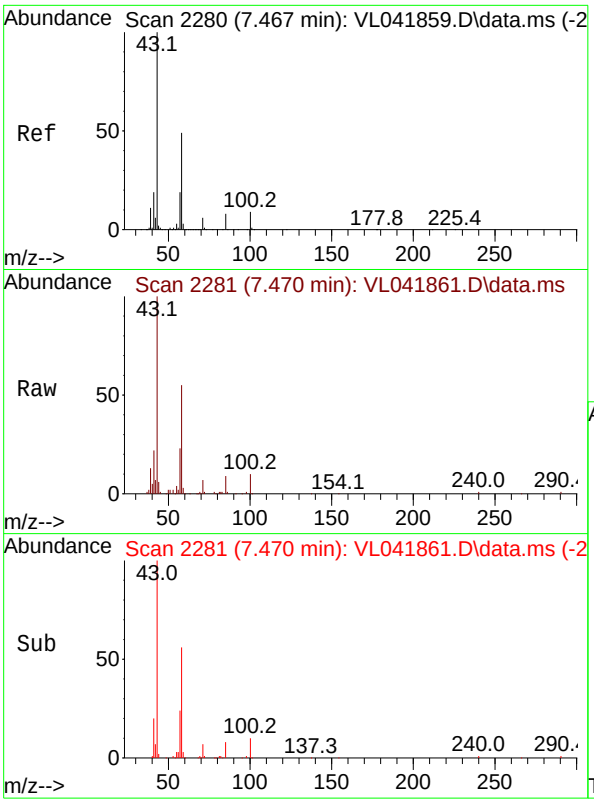


#50
4-Methyl-2-Pentanone
Concen: 0.732 ppbv
RT: 5.800 min Scan# 1765
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 43 Resp: 28971

Ion	Ratio	Lower	Upper
43	100		
58	67.8	29.4	44.2#



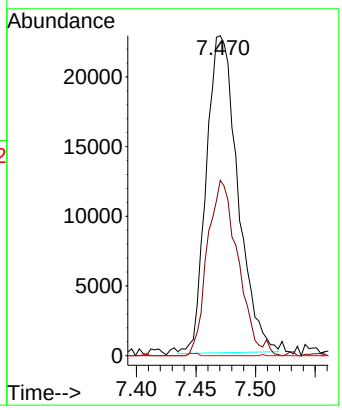


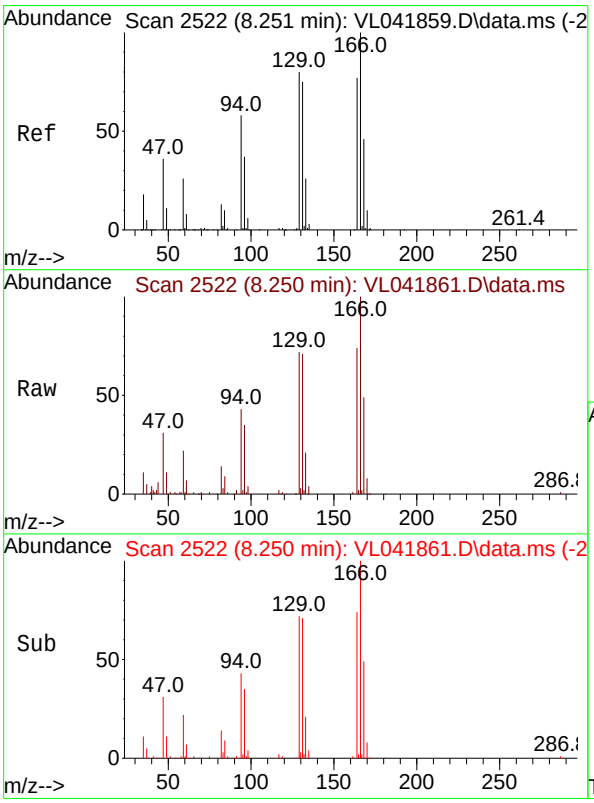
#51
2-Hexanone
Concen: 1.395 ppbv
RT: 7.470 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 41781

Ion	Ratio	Lower	Upper
43	100		
58	54.2	40.0	60.0
98	0.2	0.1	0.1#

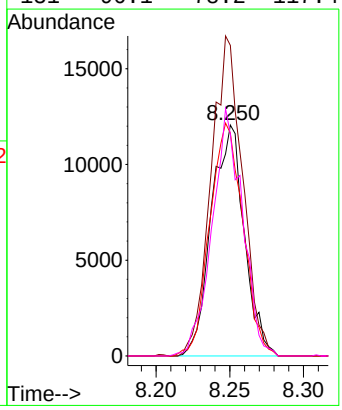


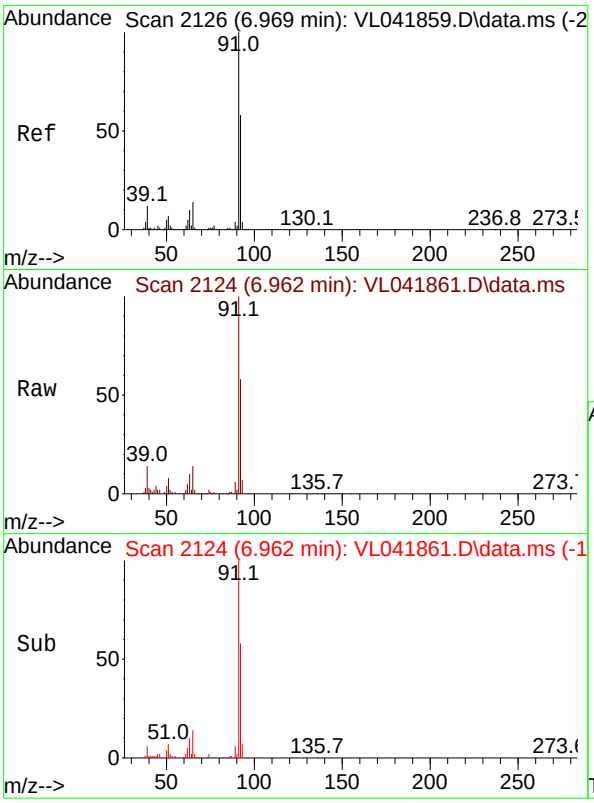


#52
Tetrachloroethene
Concen: 1.517 ppbv
RT: 8.250 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:164 Resp: 18665

Ion	Ratio	Lower	Upper
164	100		
166	134.5	103.6	155.4
129	96.5	82.6	123.8
131	96.1	78.2	117.4



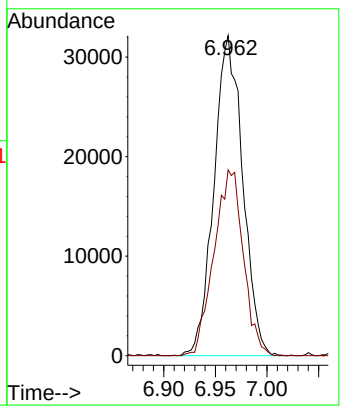


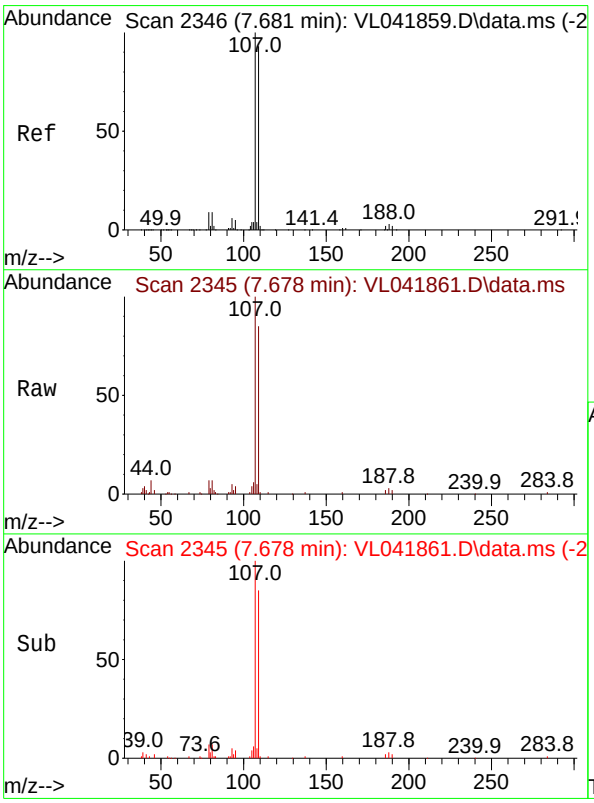
#53
Toluene
Concen: 1.686 ppbv
RT: 6.962 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 62304

Ion	Ratio	Lower	Upper
91	100		
92	59.1	47.2	70.8

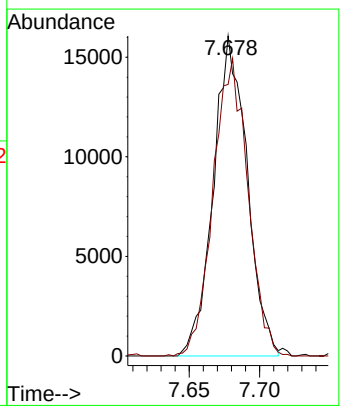


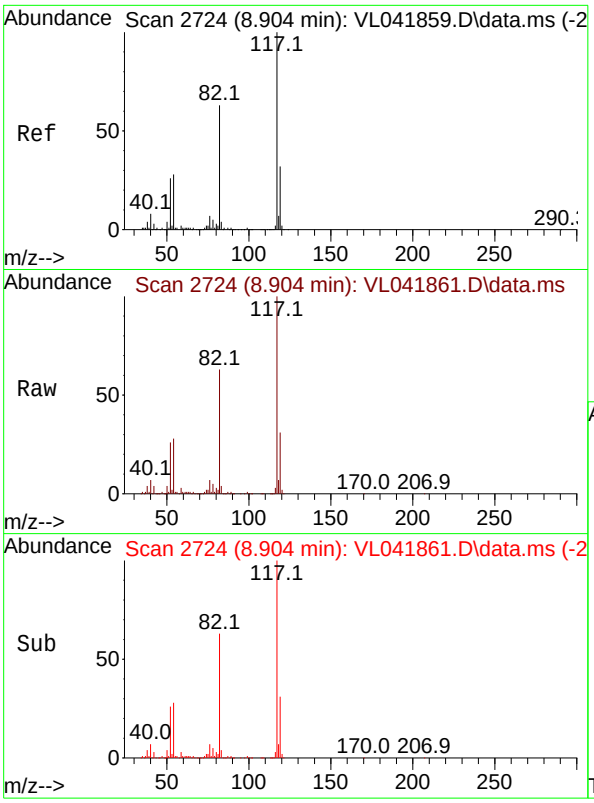


#54
1,2-Dibromoethane
Concen: 1.287 ppbv
RT: 7.678 min Scan# 2345
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:107 Resp: 26769

Ion	Ratio	Lower	Upper
107	100		
109	84.1	74.6	112.0



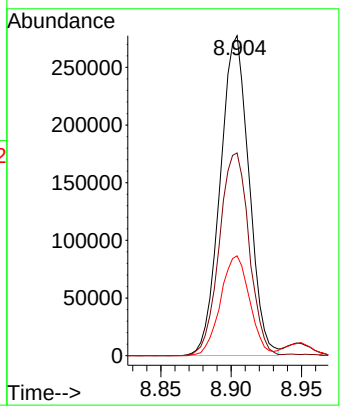


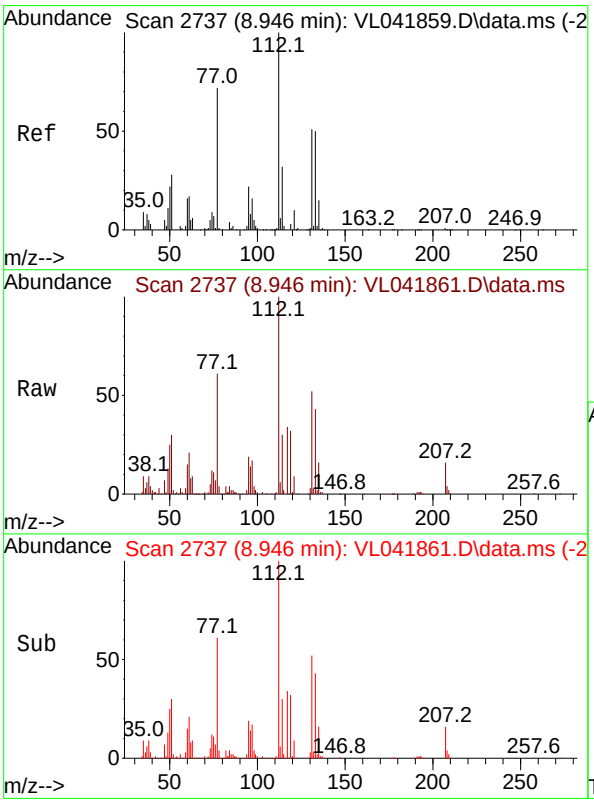
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 394905

Ion	Ratio	Lower	Upper
117	100		
82	66.0	54.5	81.7
119	32.7	24.6	37.0

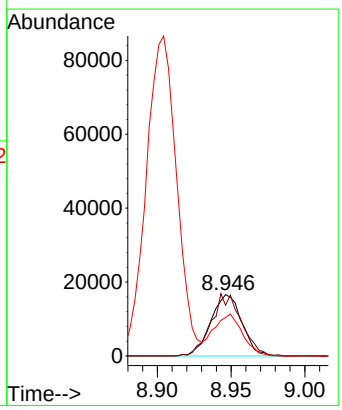


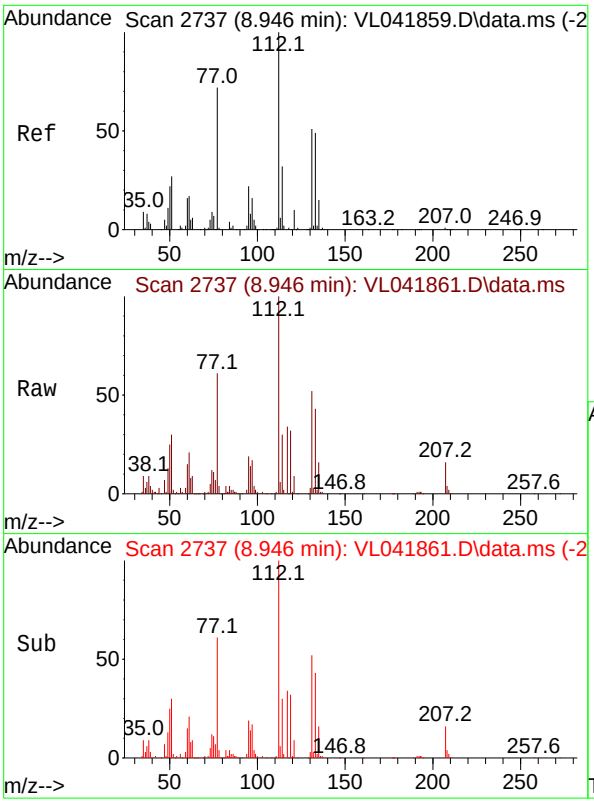


#56
1,1,1,2-Tetrachloroethane
Concen: 1.079 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:131 Resp: 24293

Ion	Ratio	Lower	Upper
131	100		
133	99.0	77.4	116.2
119	59.9	49.4	74.0



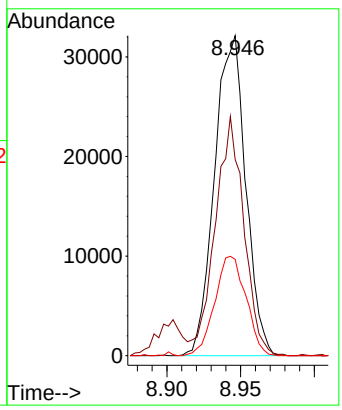


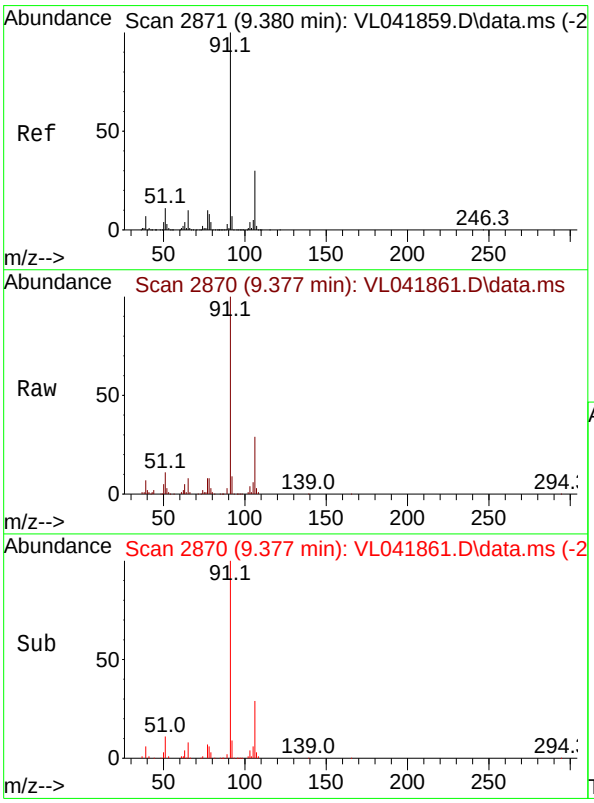
#57
Chlorobenzene
Concen: 1.146 ppbv
RT: 8.946 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 47288

Ion	Ratio	Lower	Upper
112	100		
77	60.9	58.3	87.5
114	30.1	28.9	35.3

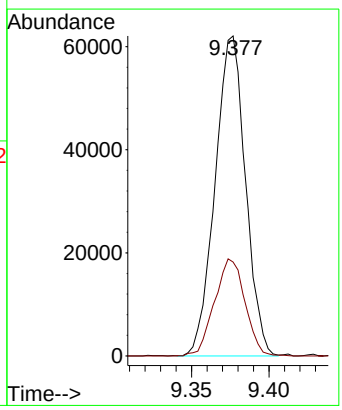


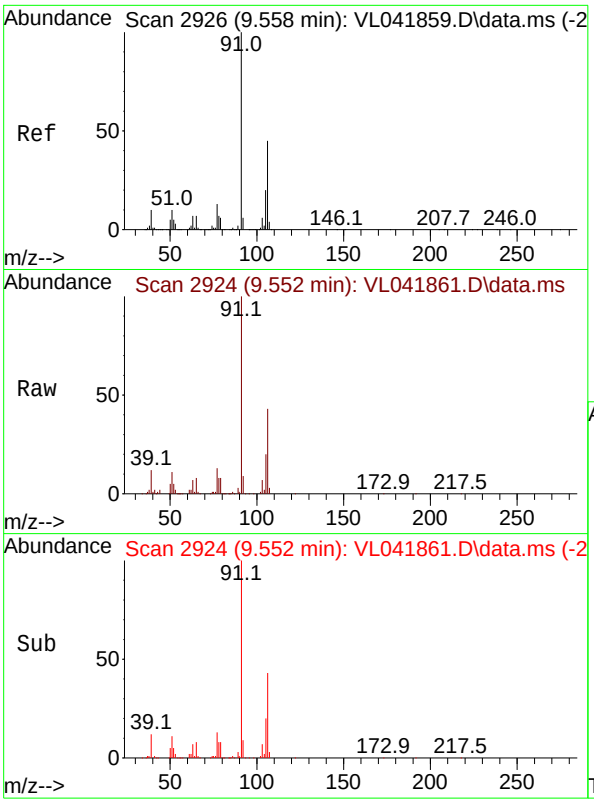


#58
Ethyl Benzene
Concen: 1.575 ppbv
RT: 9.377 min Scan# 2870
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 91 Resp: 84795

Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.2	36.2



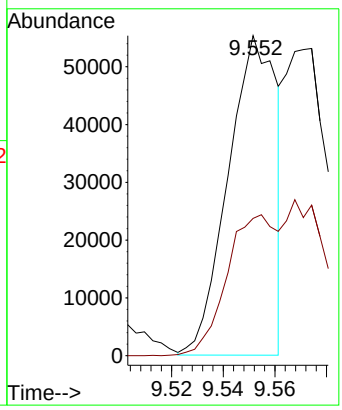


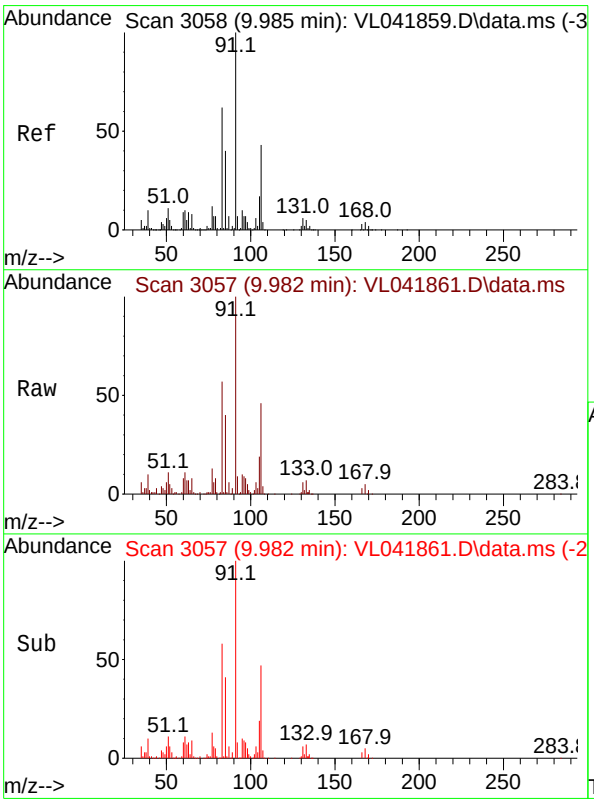
#59
m/p-Xylene
Concen: 1.512 ppbv
RT: 9.552 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 71678

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

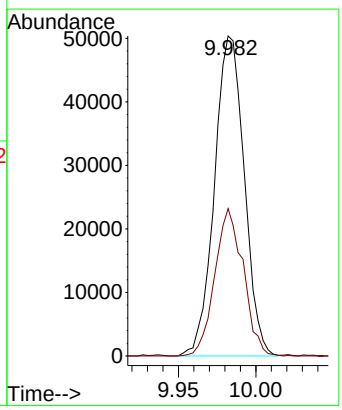


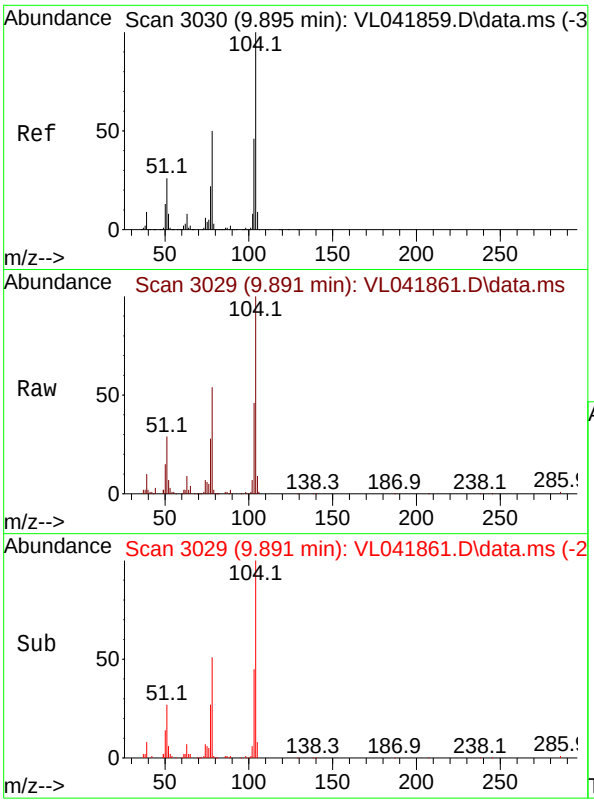


#60
o-Xylene
Concen: 1.460 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 91 Resp: 67480

Ion	Ratio	Lower	Upper
91	100		
106	43.9	21.4	64.3



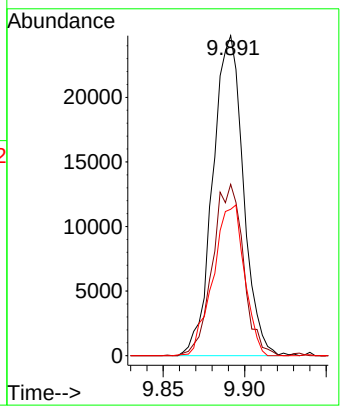


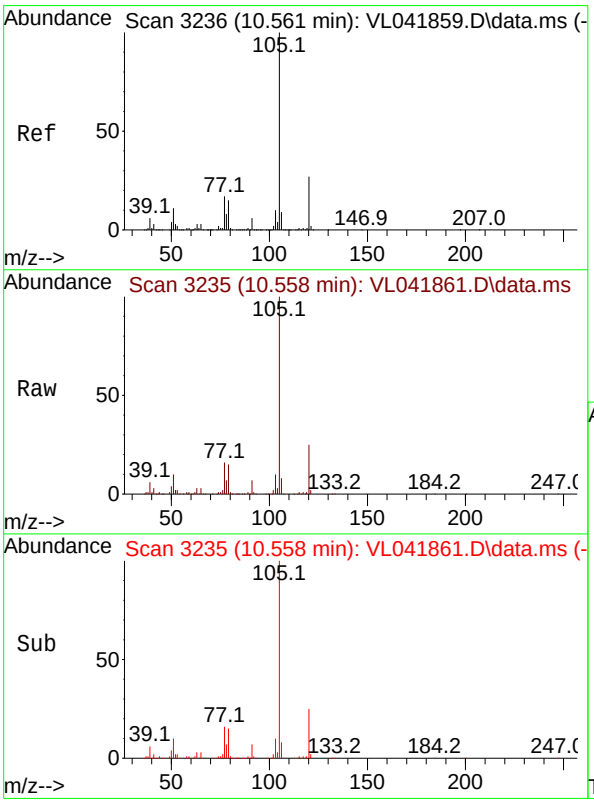
#61
Styrene
Concen: 1.795 ppbv
RT: 9.891 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:104 Resp: 32180

Ion	Ratio	Lower	Upper
104	100		
78	54.2	40.7	61.1
103	48.2	37.0	55.6

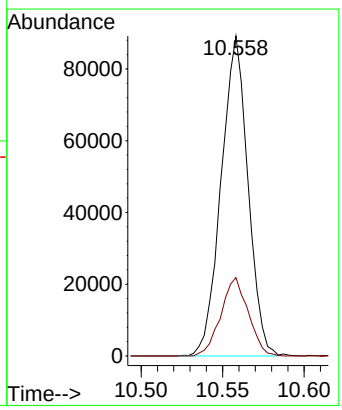


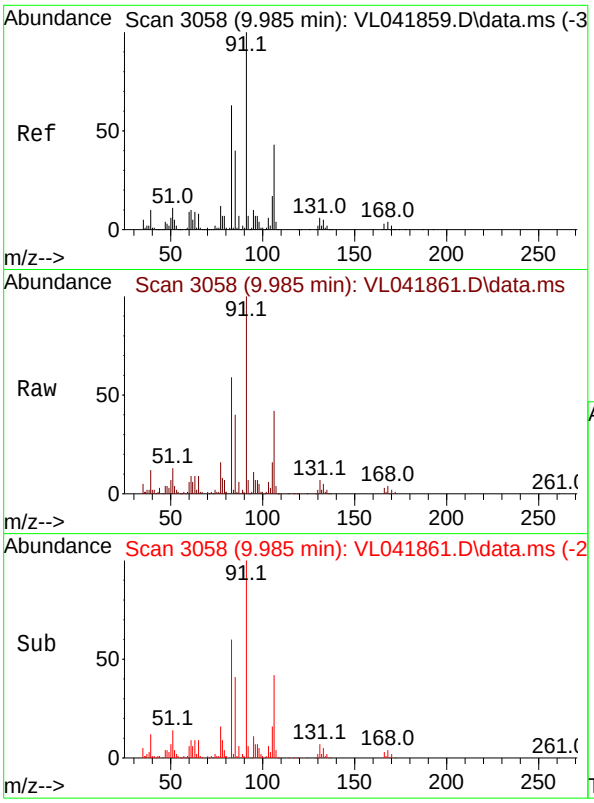


#62
Isopropylbenzene
Concen: 1.402 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:105 Resp: 101824

Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.3	30.5



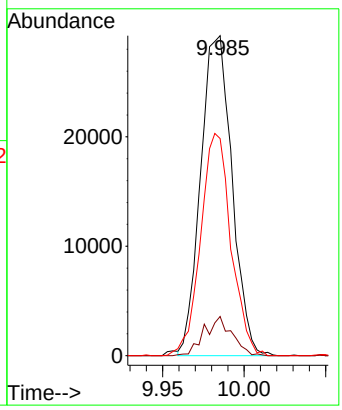


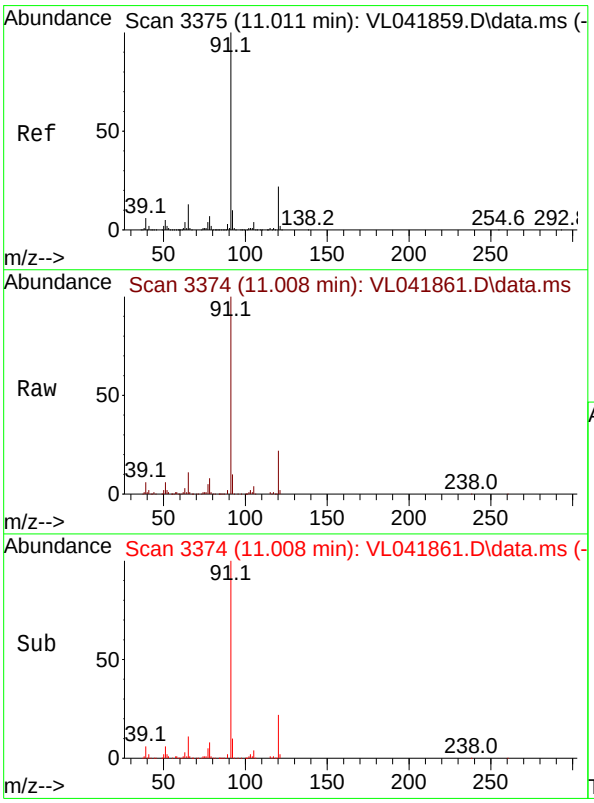
#63
1,1,2,2-Tetrachloroethane
Concen: 0.966 ppbv
RT: 9.985 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 39140

Ion	Ratio	Lower	Upper
83	100		
131	10.8	4.8	14.3
85	67.1	32.1	96.3

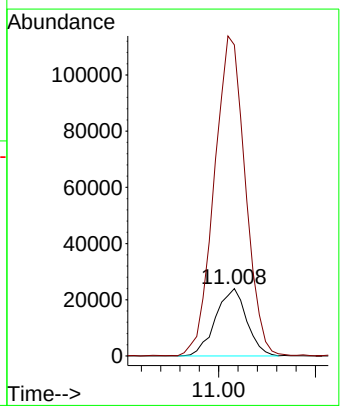


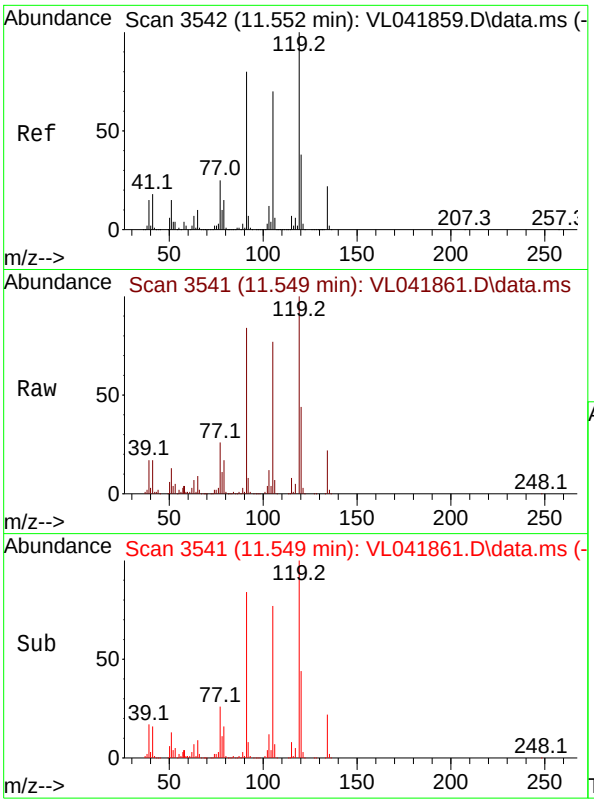


#64
n-propylbenzene
Concen: 1.430 ppbv
RT: 11.008 min Scan# 3374
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:120 Resp: 26642

Ion	Ratio	Lower	Upper
120	100		
91	477.7	376.9	565.3



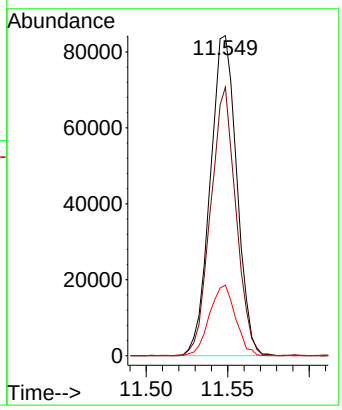


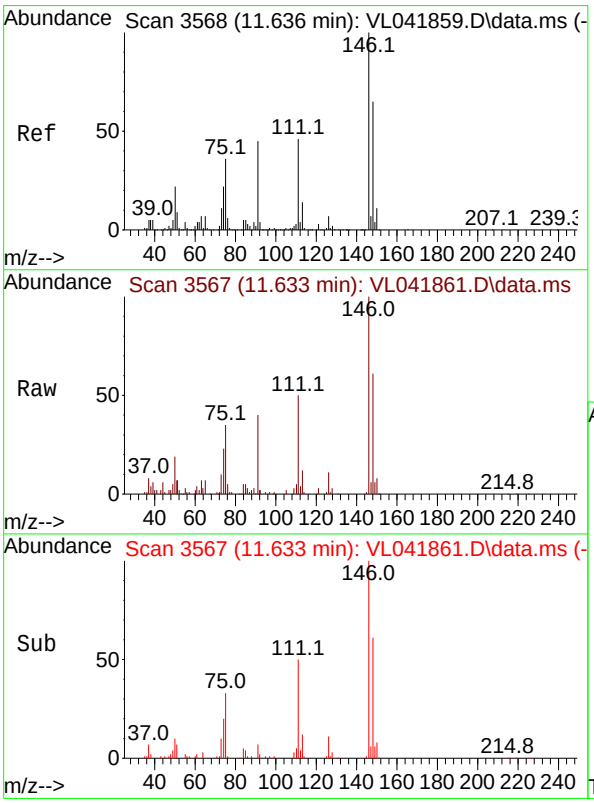
#65
tert-Butylbenzene
Concen: 1.457 ppbv
RT: 11.549 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 95303

Ion	Ratio	Lower	Upper
119	100		
91	80.1	64.6	97.0
134	21.6	16.9	25.3

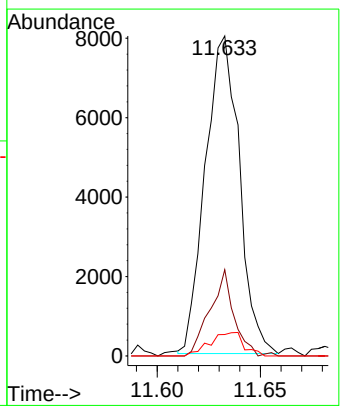


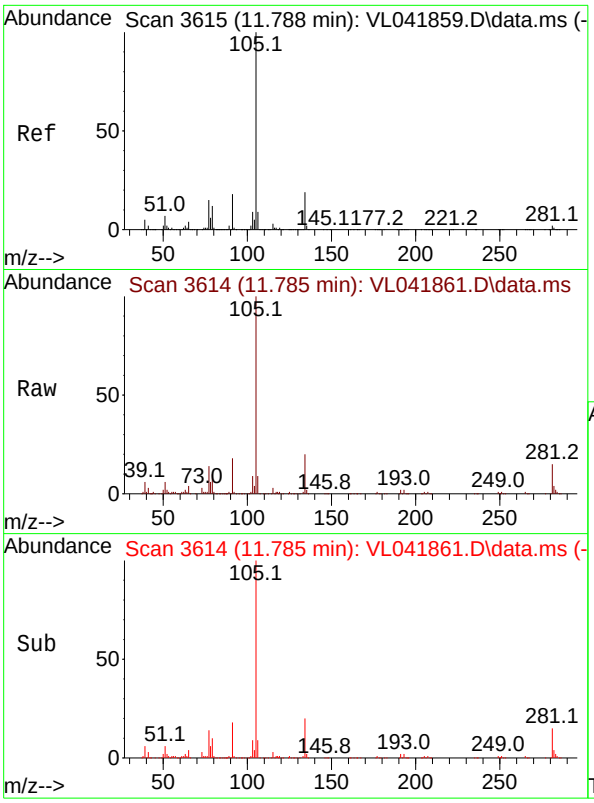


#66
Benzyl Chloride
Concen: 1.675 ppbv
RT: 11.633 min Scan# 3567
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 91 Resp: 9179

Ion	Ratio	Lower	Upper
91	100		
126	19.2	13.9	20.9
128	7.4	4.8	7.2#



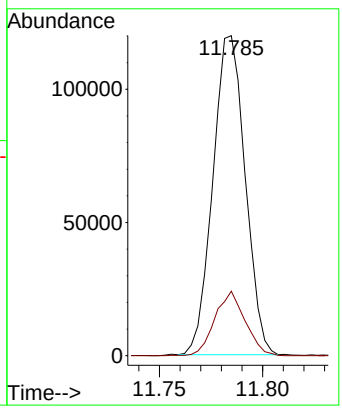


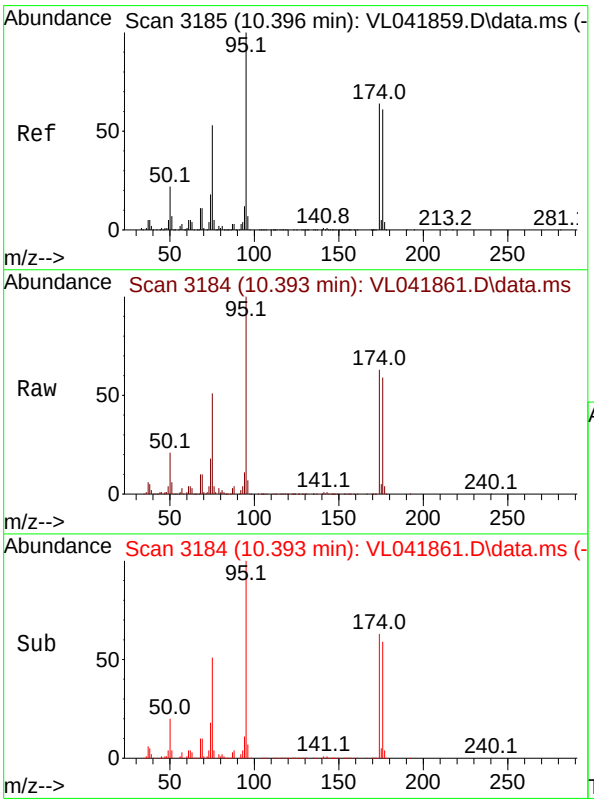
#67
sec-Butylbenzene
Concen: 1.365 ppbv
RT: 11.785 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 130334

Ion	Ratio	Lower	Upper
105	100		
134	19.0	15.4	23.2

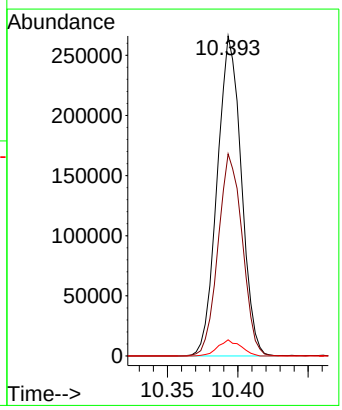


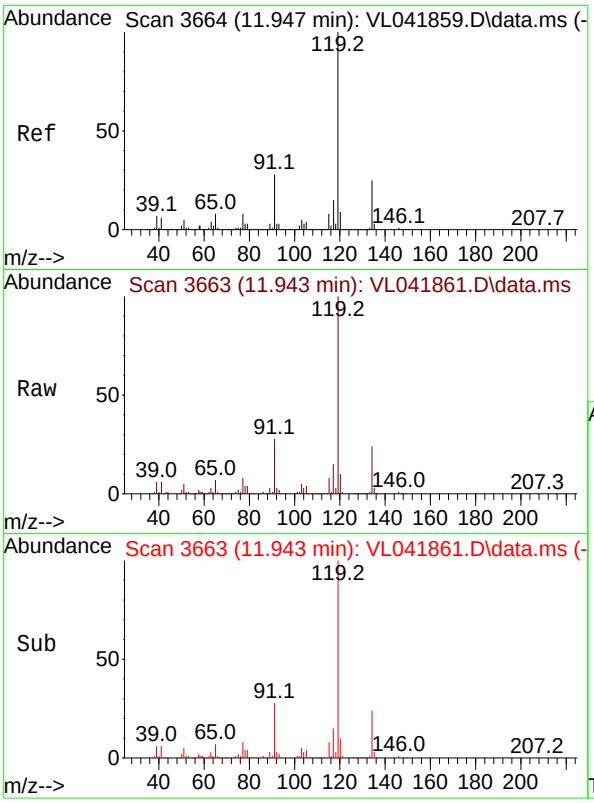


#68
1-Bromo-4-Fluorobenzene
Concen: 9.381 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 95 Resp: 317281

Ion	Ratio	Lower	Upper
95	100		
174	63.5	51.1	76.7
175	4.8	3.8	5.8



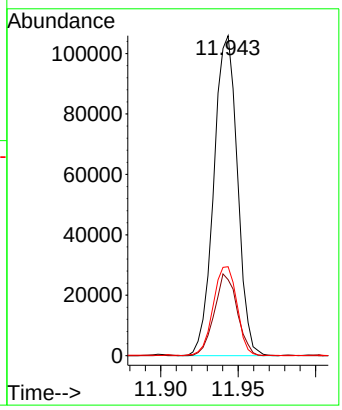


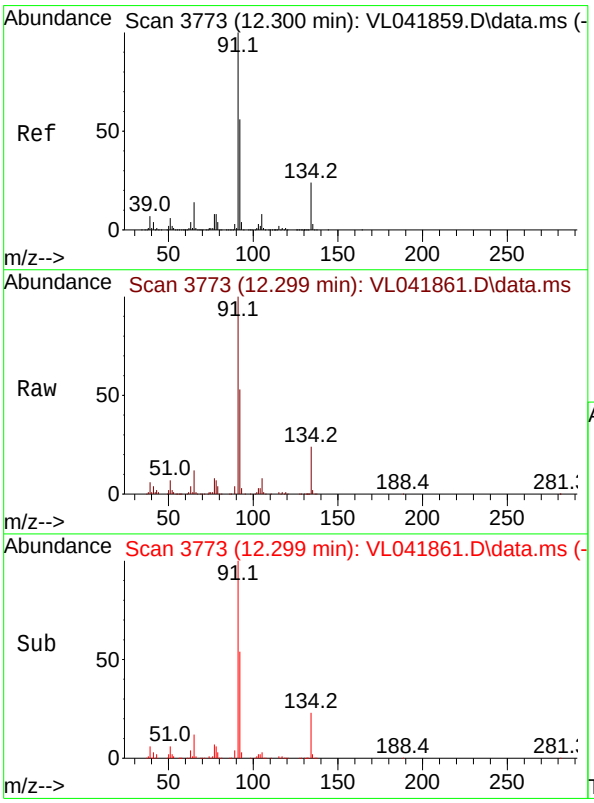
#69
p-Isopropyltoluene
Concen: 1.498 ppbv
RT: 11.943 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 112256

Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.3	30.5
91	28.4	22.6	34.0

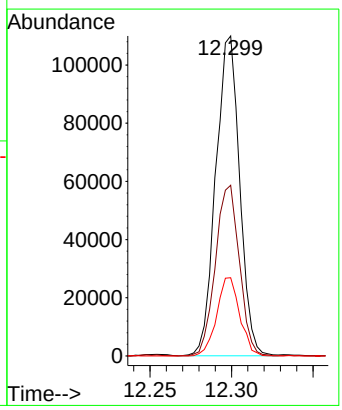


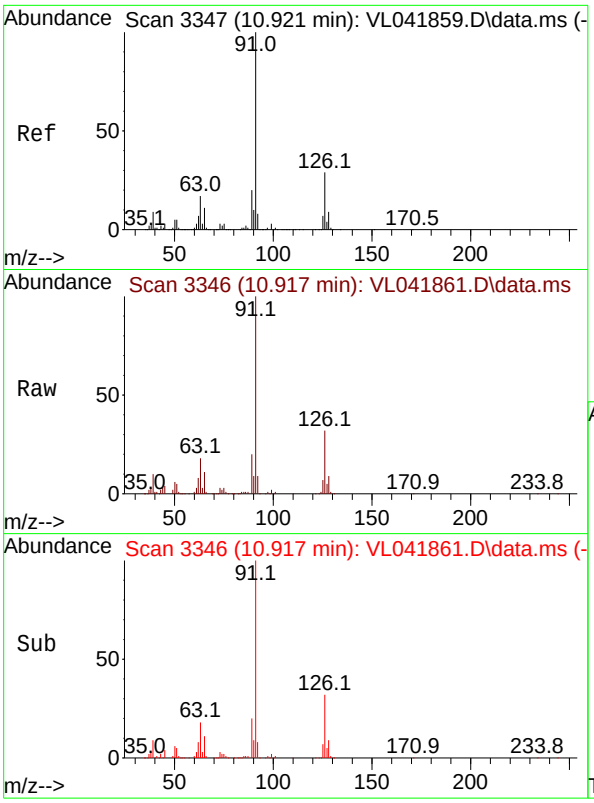


#70
n-Butylbenzene
Concen: 1.486 ppbv
RT: 12.299 min Scan# 3773
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 91 Resp: 111884

Ion	Ratio	Lower	Upper
91	100		
92	53.6	43.8	65.8
134	23.7	19.3	28.9



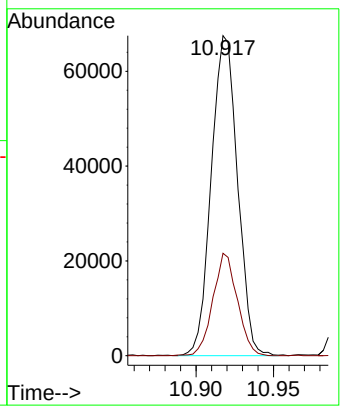


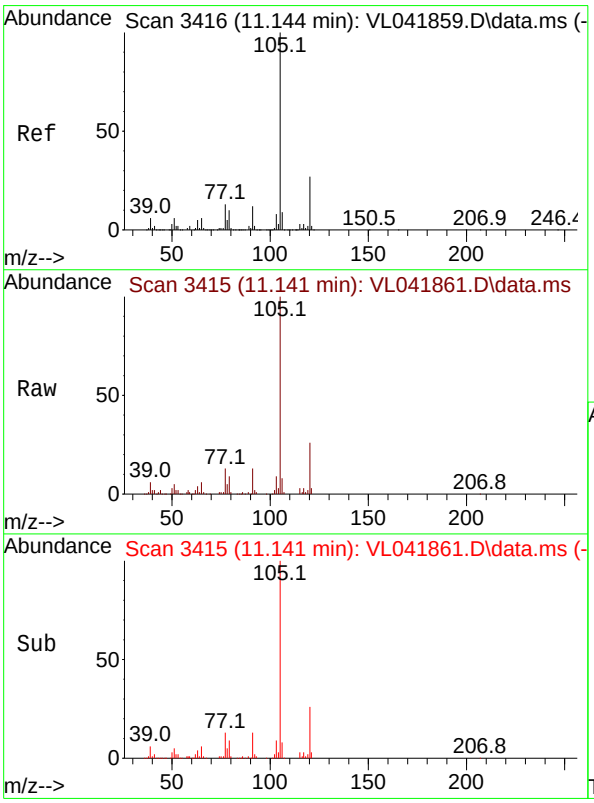
#71
2-Chlorotoluene
Concen: 1.510 ppbv
RT: 10.917 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 79598

Ion	Ratio	Lower	Upper
91	100		
126	29.7	11.6	46.6

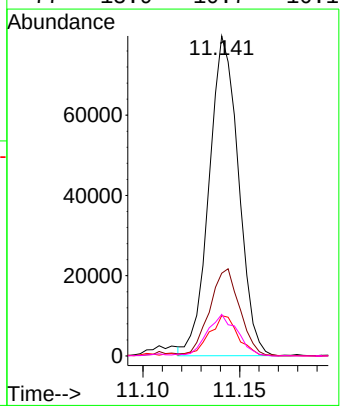


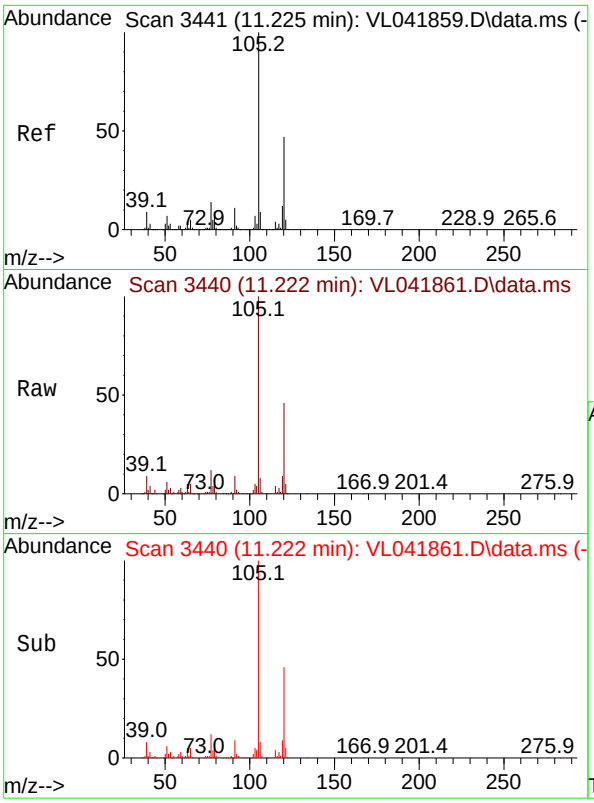


#72
4-Ethyltoluene
Concen: 1.505 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:105 Resp: 84096

Ion	Ratio	Lower	Upper
105	100		
120	28.9	23.5	35.3
91	13.4	9.8	14.8
77	13.9	10.7	16.1



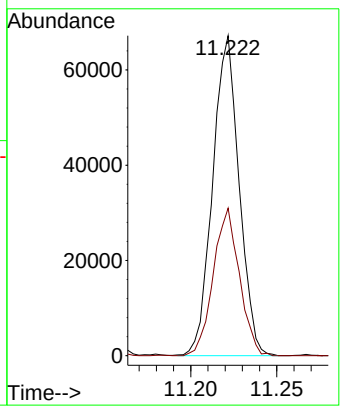


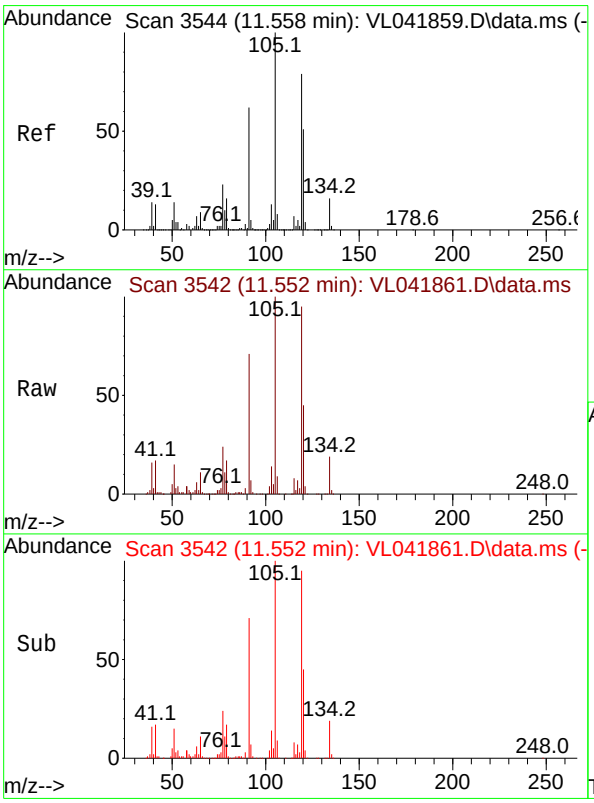
#73
1,3,5-Trimethylbenzene
Concen: 1.467 ppbv
RT: 11.222 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 71812

Ion	Ratio	Lower	Upper
105	100		
120	46.1	37.2	55.8

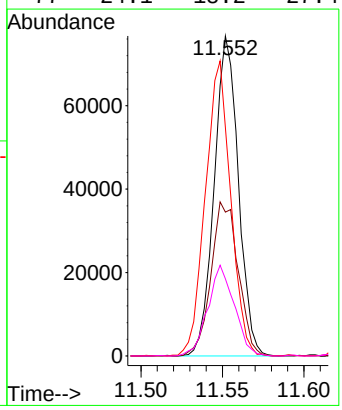


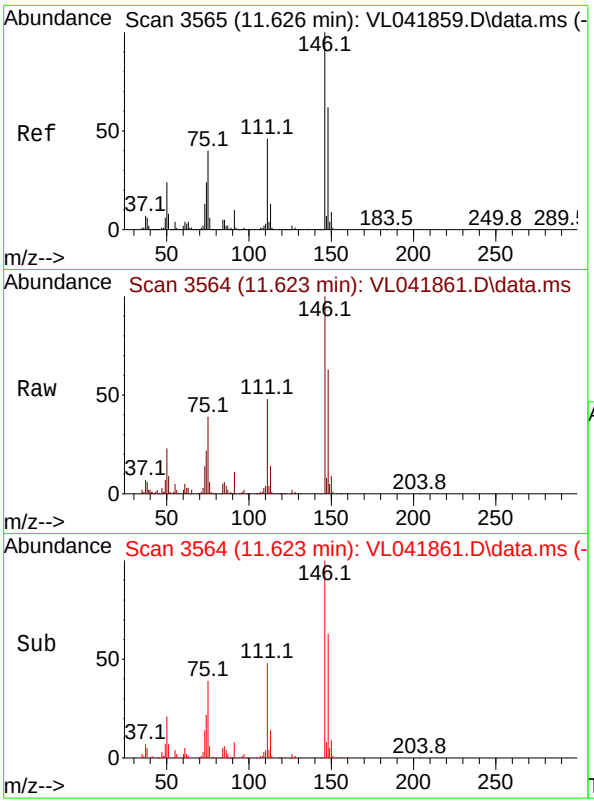


#74
1,2,4-Trimethylbenzene
Concen: 1.394 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. -0.007 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:105 Resp: 79018

Ion	Ratio	Lower	Upper
105	100		
120	45.0	41.1	61.7
91	71.2	50.0	75.0
77	24.1	18.2	27.4



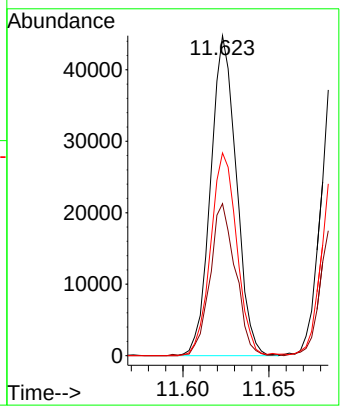


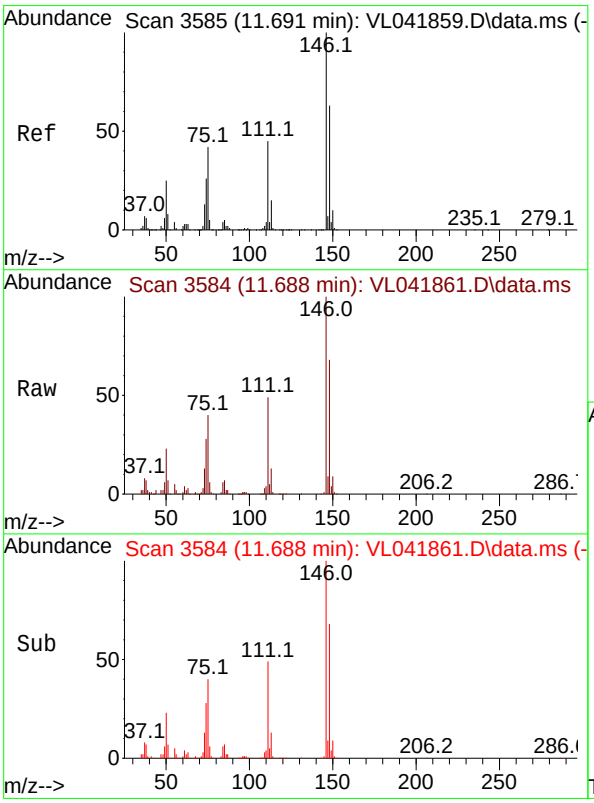
#75
1,3-Dichlorobenzene
Concen: 1.224 ppbv
RT: 11.623 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 46462

Ion	Ratio	Lower	Upper
146	100		
111	47.1	23.2	69.5
148	64.8	31.6	94.7

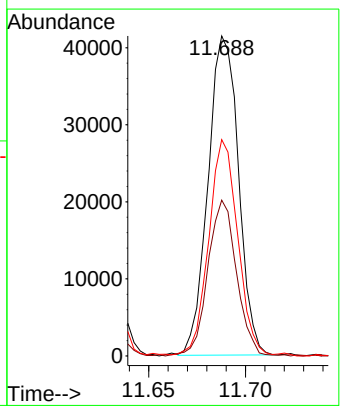


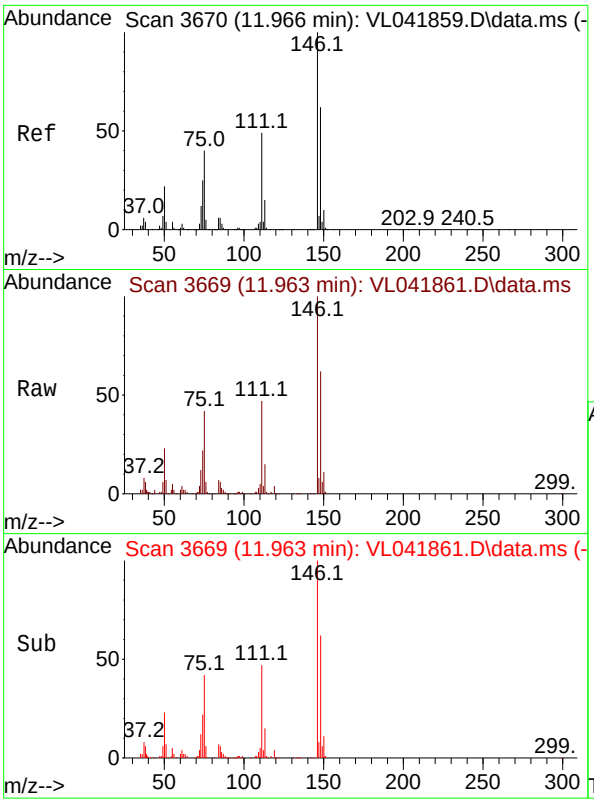


#76
1,4-Dichlorobenzene
Concen: 1.241 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:146 Resp: 45316

Ion	Ratio	Lower	Upper
146	100		
111	46.2	22.1	66.1
148	65.5	31.2	93.6



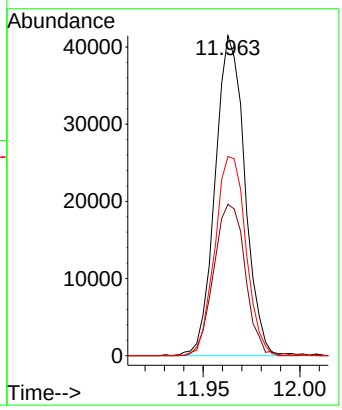


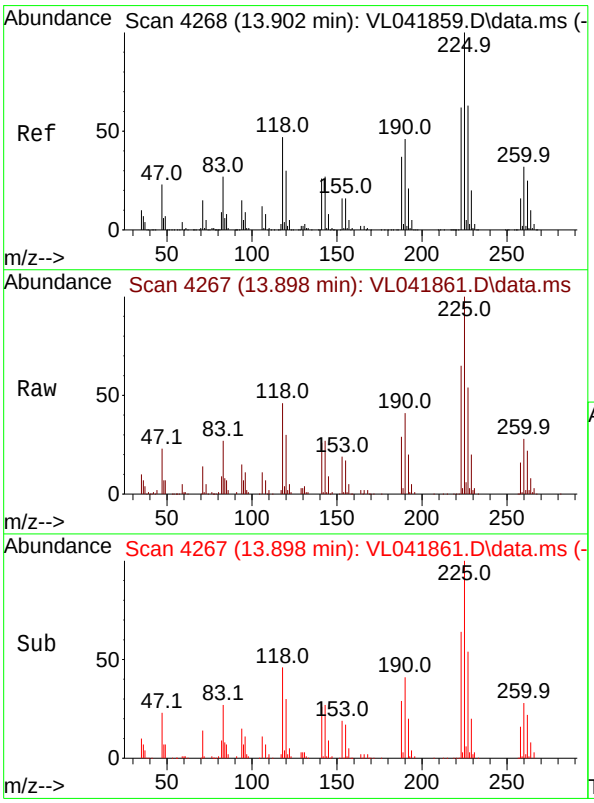
#77
1,2-Dichlorobenzene
Concen: 1.115 ppbv
RT: 11.963 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 44103

Ion	Ratio	Lower	Upper
146	100		
111	50.4	24.1	72.3
148	65.3	31.5	94.5

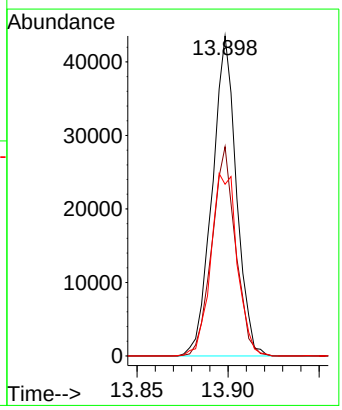


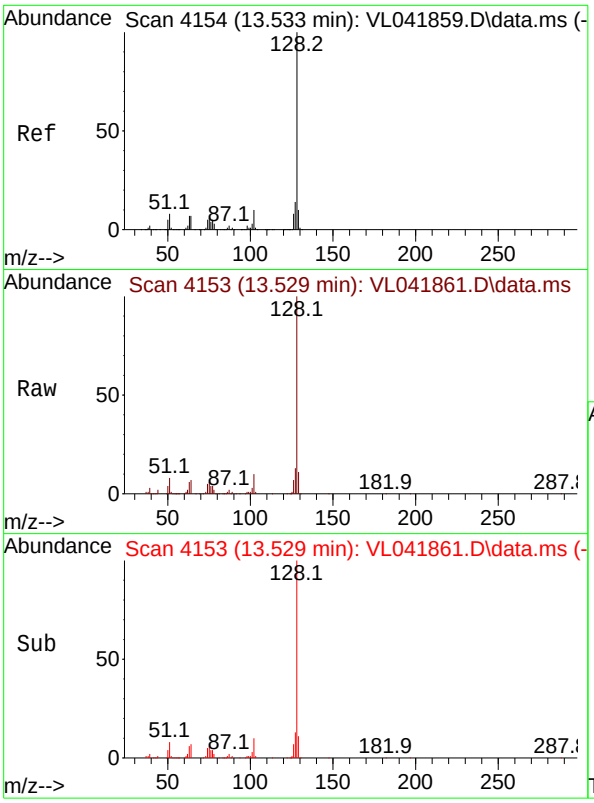


#78
Hexachloro-1,3-Butadiene
Concen: 1.428 ppbv
RT: 13.898 min Scan# 4267
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:225 Resp: 40100

Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.6	75.8
227	62.5	50.9	76.3



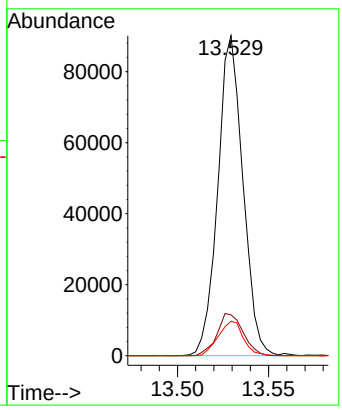


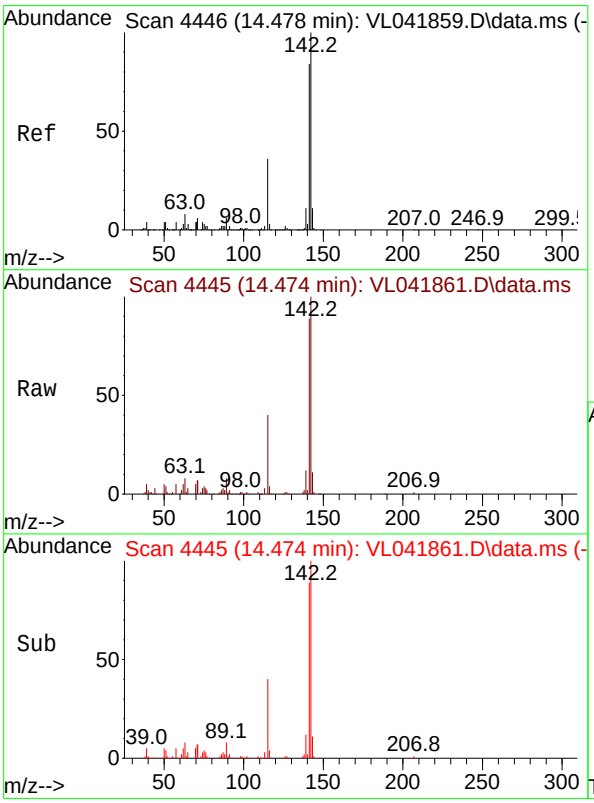
#79
Naphthalene
Concen: 2.069 ppbv
RT: 13.529 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 86398

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.8	16.2
129	10.8	8.2	12.4

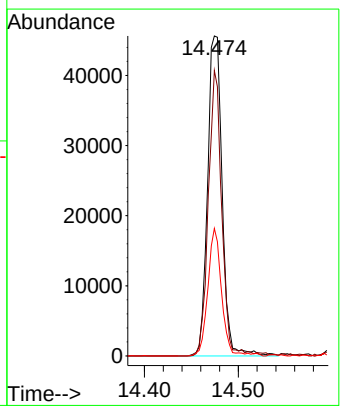


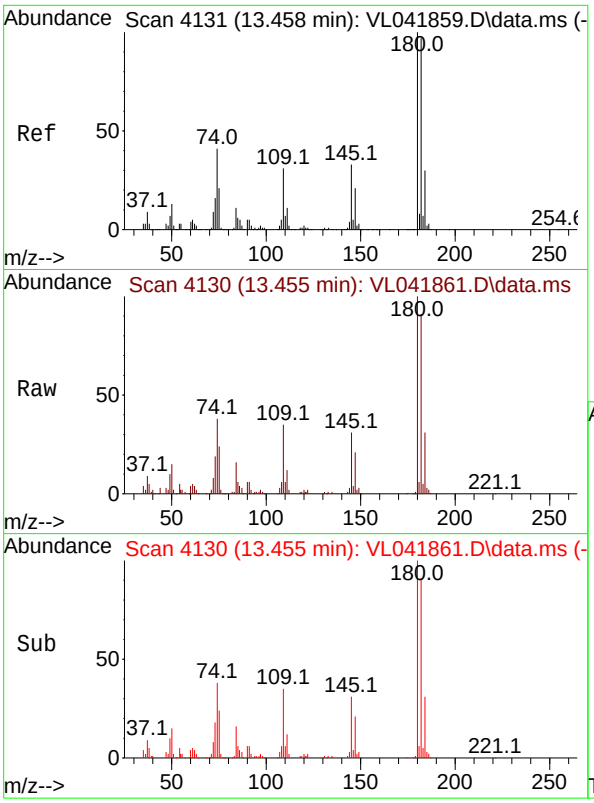


#80
Naphthalene,2-methyl-
Concen: 3.203 ppbv
RT: 14.474 min Scan# 4445
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:142 Resp: 49515

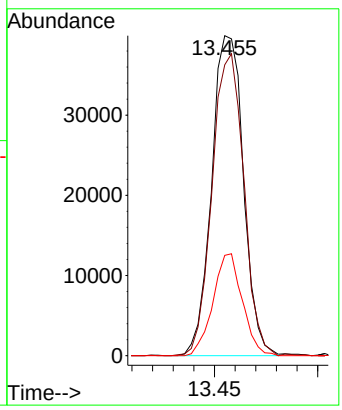
Ion	Ratio	Lower	Upper
142	100		
141	82.2	68.2	102.4
115	37.7	29.4	44.2





#81
1,2,4-Trichlorobenzene
Concen: 1.844 ppbv
RT: 13.455 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 42679

Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.8	113.8
184	29.4	24.1	36.1