Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
Data File : VL041879.D
Acq On : 09 Jan 2025 22:17
Operator : SY/MD
Sample : MDL 0.4
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Quant Time: Jan 10 01:52:04 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 00:31:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.800	49	121142	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.978	114	366226	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.898	117	329631	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.390	95	263876	9.983	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.800%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	11233	0.565	ppbv		98
3) Chlorodifluoromethane	1.479	51	11207	0.513	ppbv	#	91
4) Chloromethane	1.538	50	4077	0.527	ppbv	#	81
5) Vinyl Chloride	1.586	62	3997	0.486	ppbv	#	86
6) Bromomethane	1.677	94	2061	0.532	ppbv		91
7) Chloroethane	1.709	64	1659	0.521	ppbv	#	82
8) Dichlorotetrafluoroethane	1.560	85	9599	0.555	ppbv		93
9) Propene	1.489	41	5254	0.515	ppbv		85
10) Heptane	5.007	43	9121	0.339	ppbv	#	82
11) Trichlorofluoromethane	1.884	101	10995	0.538	ppbv		97
12) 1,1,2-Trichlorotrifluo...	2.149	101	9039	0.547	ppbv		98
13) Ethanol	1.729	45	1507	2.328	ppbv		87
14) Bromoethene	1.790	108	3238	0.547	ppbv	#	95
15) Acetone	1.842	43	13816	0.676	ppbv		98
16) 1,3-Butadiene	1.615	39	4458	0.508	ppbv		93
17) tert-Butyl alcohol	2.052	59	12123	0.523	ppbv	#	89
18) 1,1-Dichloroethene	2.039	96	4350	0.581	ppbv		95
19) Isopropyl Alcohol	1.897	45	6814	0.635	ppbv		87
20) Methylene Chloride	2.069	84	4388	0.630	ppbv	#	90
21) Allyl Chloride	2.104	41	6531	0.500	ppbv	#	84
22) trans-1,2-Dichloroethene	2.353	96	4697	0.542	ppbv		93
23) Vinyl Acetate	2.473	43	5814	0.562	ppbv	#	80
24) 1,1-Dichloroethane	2.418	63	9364	0.571	ppbv	#	93
25) Ethyl Acetate	2.855	43	23966	0.472	ppbv		99
26) Hexane	2.839	57	10202	0.488	ppbv		92
27) Carbon Disulfide	2.159	76	8656	0.433	ppbv	#	1
28) Methyl tert-Butyl Ether	2.450	73	6661	0.418	ppbv	#	88
29) Chloroform	2.858	83	15434	0.528	ppbv		99
30) Cyclohexane	3.875	84	8999	0.502	ppbv		97
31) cis-1,2-Dichloroethene	2.353	61	7749	0.380	ppbv		88
32) 1,1,1-Trichloroethane	3.386	97	13839	0.477	ppbv		99
34) 2-Butanone	2.573	43	14922	0.490	ppbv		100
35) Carbon Tetrachloride	3.392	117	442	0.016	ppbv		93
36) Benzene	3.677	78	19420	0.457	ppbv	#	92
37) 1,2-Dichloroethane	3.234	62	11074	0.497	ppbv	#	92
38) Trichloroethene	4.570	130	7999	0.477	ppbv		86
39) 1,2-Dichloropropane	4.337	63	7491	0.496	ppbv		90
40) 1,4-Dioxane	4.629	88	562	0.074	ppbv	#	17
41) Tetrahydrofuran	3.078	42	7317	0.409	ppbv		89
42) Bromodichloromethane	4.515	83	13624	0.445	ppbv	#	97
43) Methyl Methacrylate	4.917	69	5138	0.295	ppbv	#	49
44) 2,2,4-Trimethylpentane	4.661	57	32989	0.460	ppbv		94
45) t-1,3-Dichloropropene	6.441	75	3241	0.182	ppbv		91

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
Data File : VL041879.D
Acq On : 09 Jan 2025 22:17
Operator : SY/MD
Sample : MDL 0.4
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Quant Time: Jan 10 01:52:04 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 00:31:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	3037	0.133	ppbv	#	73
47) 1,1,2-Trichloroethane	6.603	97	1992	0.125	ppbv	#	52
48) Dibromochloromethane	7.406	129	6478	0.269	ppbv		63
49) Bromoform	9.500	173	7759	0.369	ppbv		99
50) 4-Methyl-2-Pentanone	5.800	43	9431	0.217	ppbv	#	55
51) 2-Hexanone	7.464	43	5449	0.152	ppbv	#	28
52) Tetrachloroethene	8.244	164	3712	0.228	ppbv		87
53) Toluene	6.962	91	22390	0.443	ppbv		99
54) 1,2-Dibromoethane	7.678	107	10163	0.470	ppbv		89
56) 1,1,1,2-Tetrachloroethane	8.943	131	8421	0.429	ppbv		83
57) Chlorobenzene	8.937	112	18928	0.515	ppbv		94
58) Ethyl Benzene	9.370	91	29858	0.441	ppbv		98
59) m/p-Xylene	9.548	91	23765	0.444	ppbv	#	100
60) o-Xylene	9.982	91	24990	0.468	ppbv		97
61) Styrene	9.888	104	10124	0.379	ppbv		94
62) Isopropylbenzene	10.555	105	37087	0.461	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.979	83	15575	0.485	ppbv		99
64) n-propylbenzene	11.002	120	9013	0.430	ppbv		95
65) tert-Butylbenzene	11.542	119	33710	0.463	ppbv		99
66) Benzyl Chloride	11.626	91	2114	0.280	ppbv	#	90
67) sec-Butylbenzene	11.782	105	45602	0.455	ppbv		98
69) p-Isopropyltoluene	11.940	119	37694	0.440	ppbv		95
70) n-Butylbenzene	12.296	91	36383	0.424	ppbv		97
71) 2-Chlorotoluene	10.914	91	28385	0.456	ppbv		100
72) 4-Ethyltoluene	11.138	105	29045	0.443	ppbv		97
73) 1,3,5-Trimethylbenzene	11.215	105	23820	0.428	ppbv		95
74) 1,2,4-Trimethylbenzene	11.549	105	28511	0.472	ppbv	#	90
75) 1,3-Dichlorobenzene	11.620	146	17437	0.481	ppbv		97
76) 1,4-Dichlorobenzene	11.685	146	18243	0.509	ppbv		98
77) 1,2-Dichlorobenzene	11.960	146	17986	0.525	ppbv		99
78) Hexachloro-1,3-Butadiene	13.892	225	15115	0.514	ppbv		95
79) Naphthalene	13.526	128	26258	0.403	ppbv		98
80) Naphthalene,2-methyl-	14.471	142	11408	0.325	ppbv		94
81) 1,2,4-Trichlorobenzene	13.452	180	14876	0.480	ppbv		97

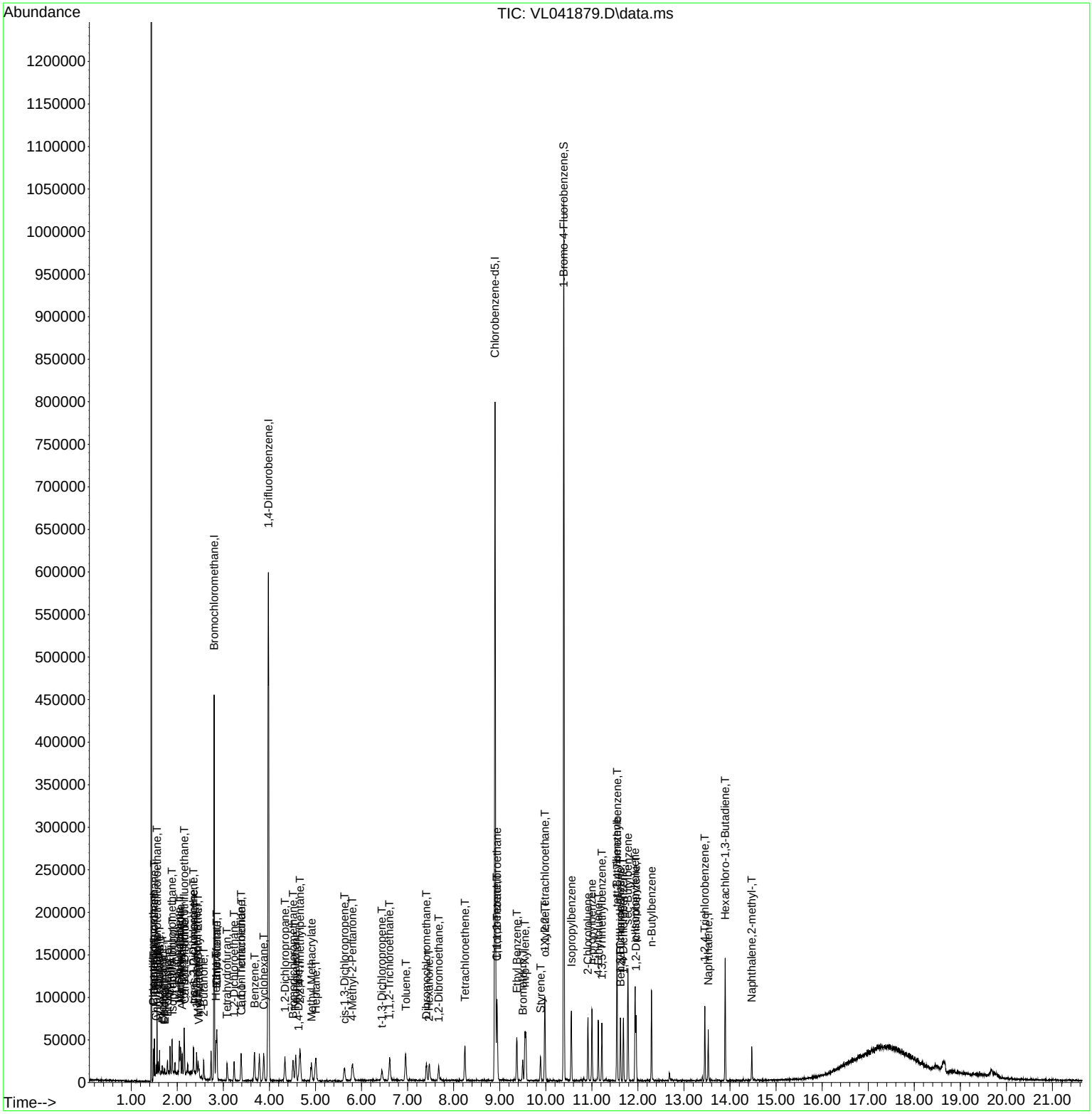
(#) = qualifier out of range (m) = manual integration (+) = signals summed

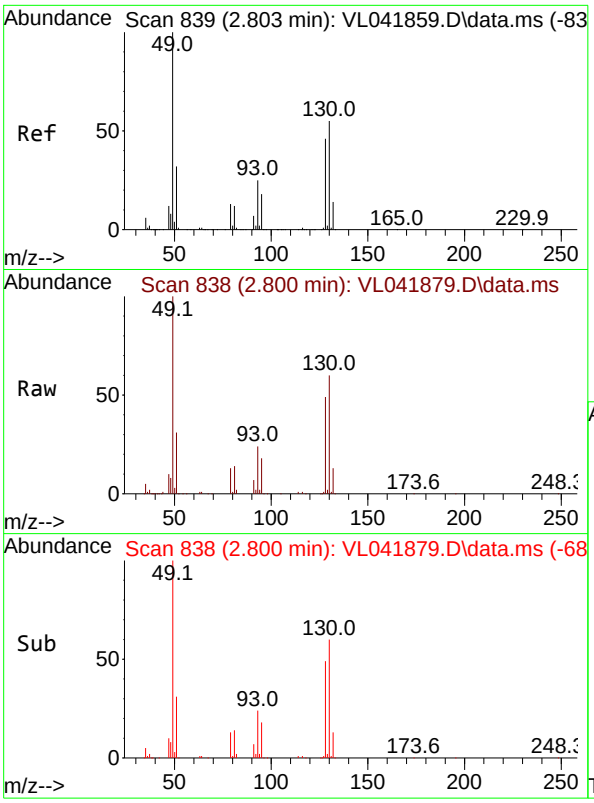
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
Data File : VL041879.D
Acq On : 09 Jan 2025 22:17
Operator : SY/MD
Sample : MDL 0.4
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Quant Time: Jan 10 01:52:04 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 00:31:30 2025
Response via : Initial Calibration



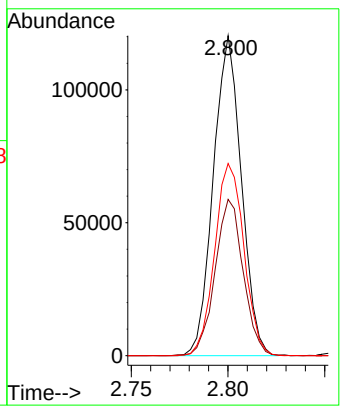


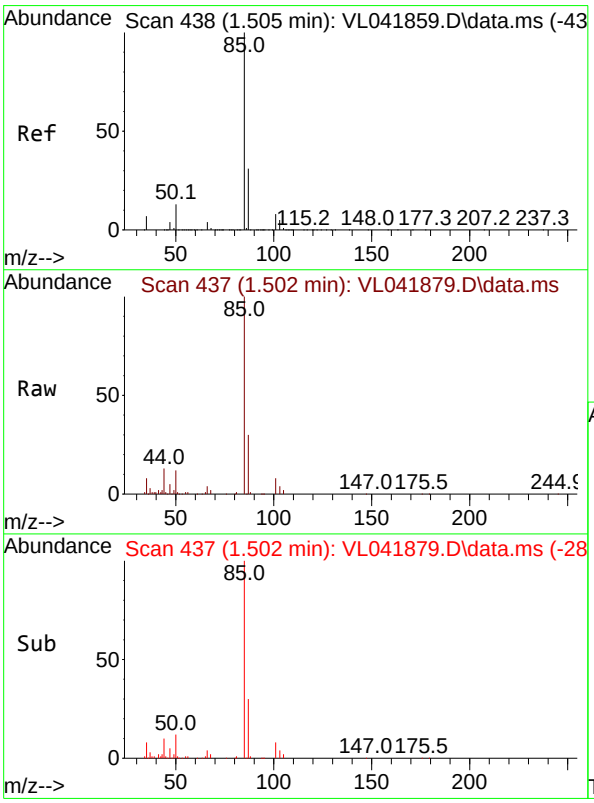
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 49 Resp: 121142

Ion	Ratio	Lower	Upper
49	100		
128	49.1	23.2	69.5
130	62.7	29.9	89.8

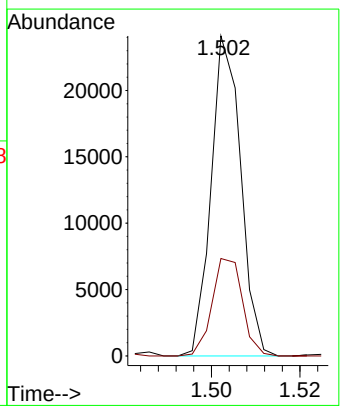


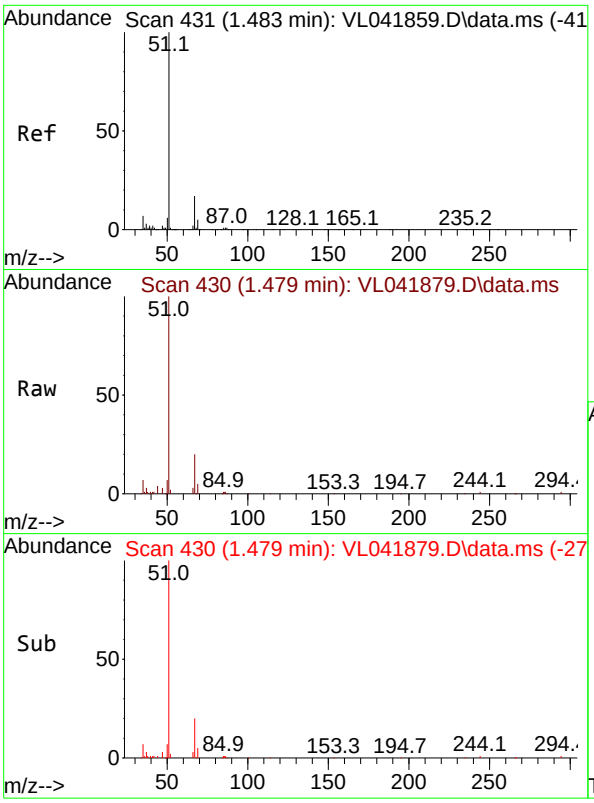


#2
Dichlorodifluoromethane
Concen: 0.565 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.003 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion: 85 Resp: 11233

Ion	Ratio	Lower	Upper
85	100		
87	30.5	25.2	37.8



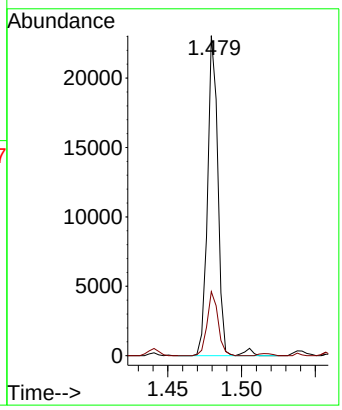


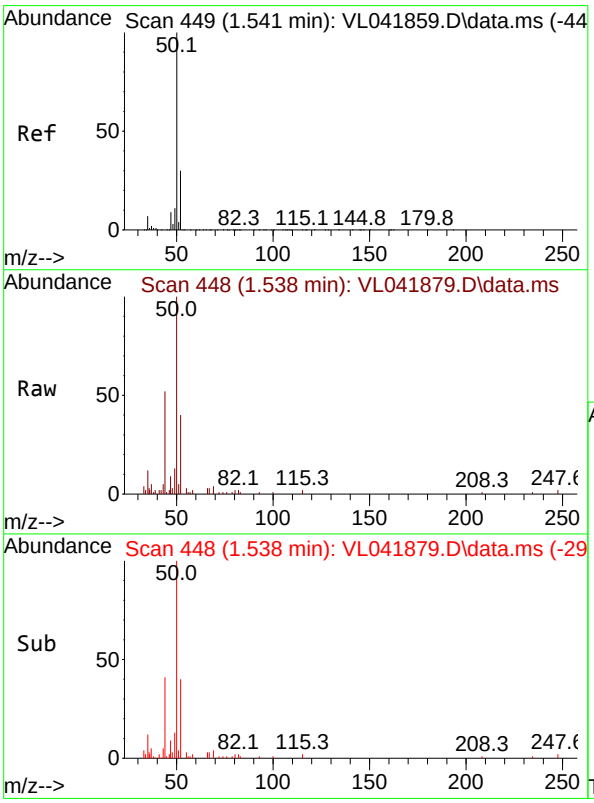
#3
Chlorodifluoromethane
Concen: 0.513 ppbv
RT: 1.479 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 51 Resp: 11207

Ion	Ratio	Lower	Upper
51	100		
67	21.2	13.8	20.8#

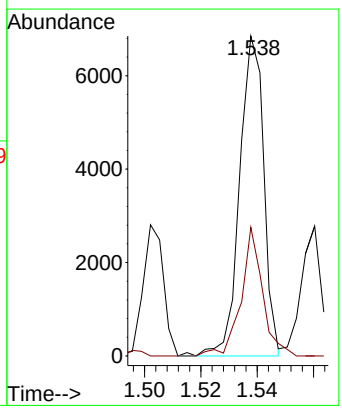


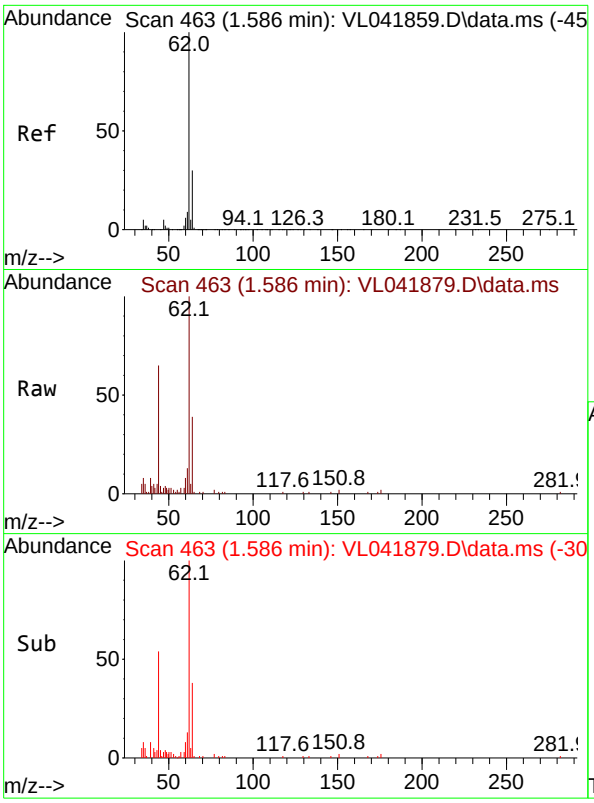


#4
Chloromethane
Concen: 0.527 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.003 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion: 50 Resp: 4077

Ion	Ratio	Lower	Upper
50	100		
52	40.2	23.9	35.9#



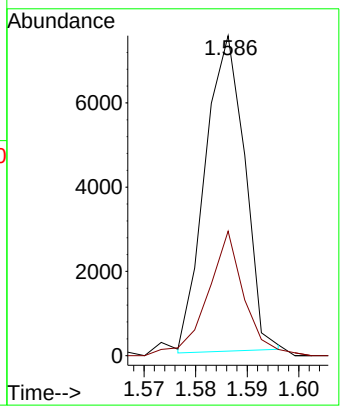


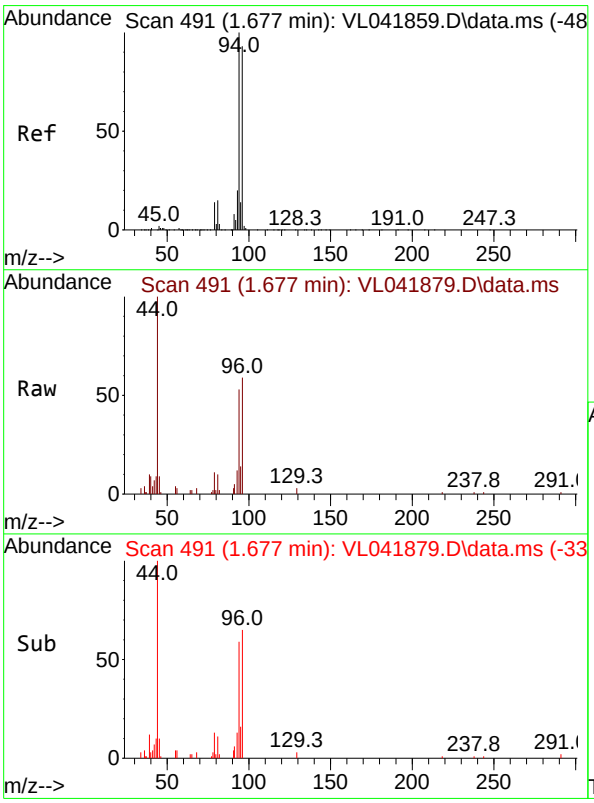
#5
Vinyl Chloride
Concen: 0.486 ppbv
RT: 1.586 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 62 Resp: 3997

Ion	Ratio	Lower	Upper
62	100		
64	37.7	24.1	36.1#

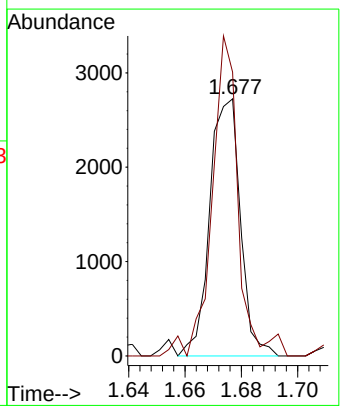


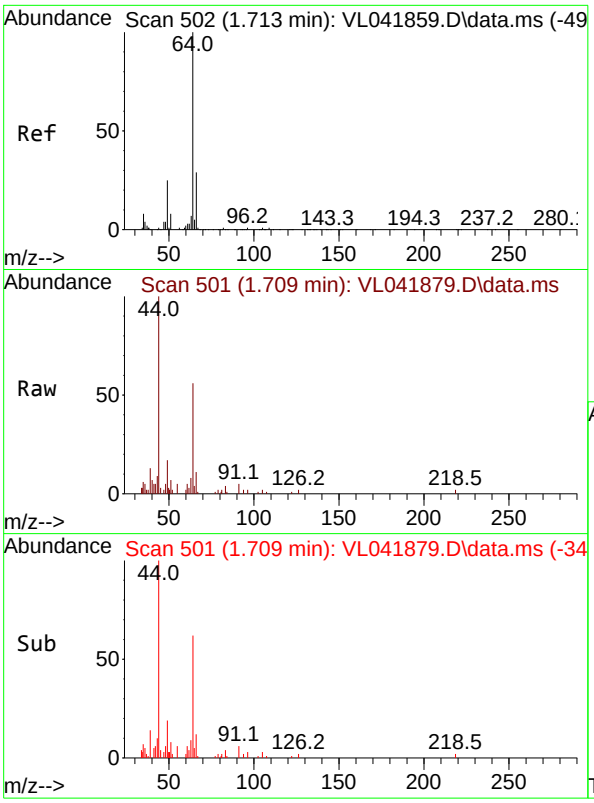


#6
Bromomethane
Concen: 0.532 ppbv
RT: 1.677 min Scan# 491
Delta R.T. -0.000 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion: 94 Resp: 2061

Ion	Ratio	Lower	Upper
94	100		
96	102.6	74.8	112.2



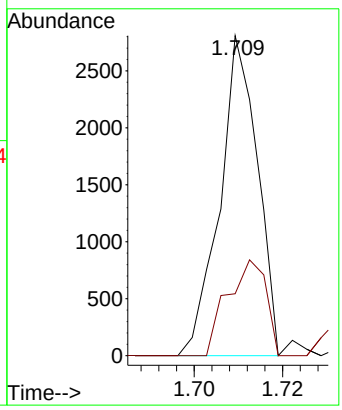


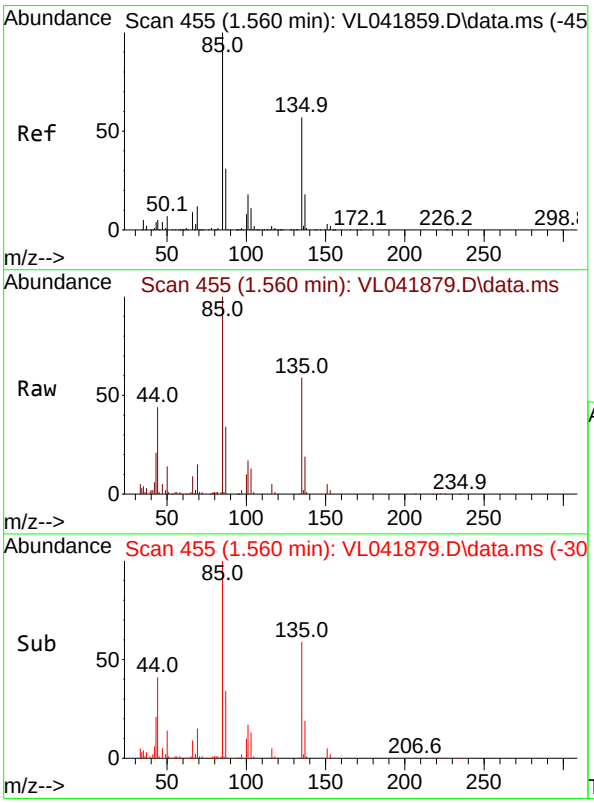
#7
Chloroethane
Concen: 0.521 ppbv
RT: 1.709 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 64 Resp: 1659

Ion	Ratio	Lower	Upper
64	100		
66	19.4	23.0	34.6#

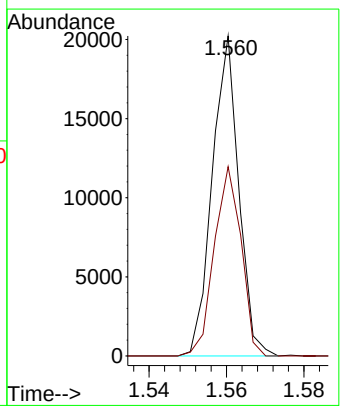


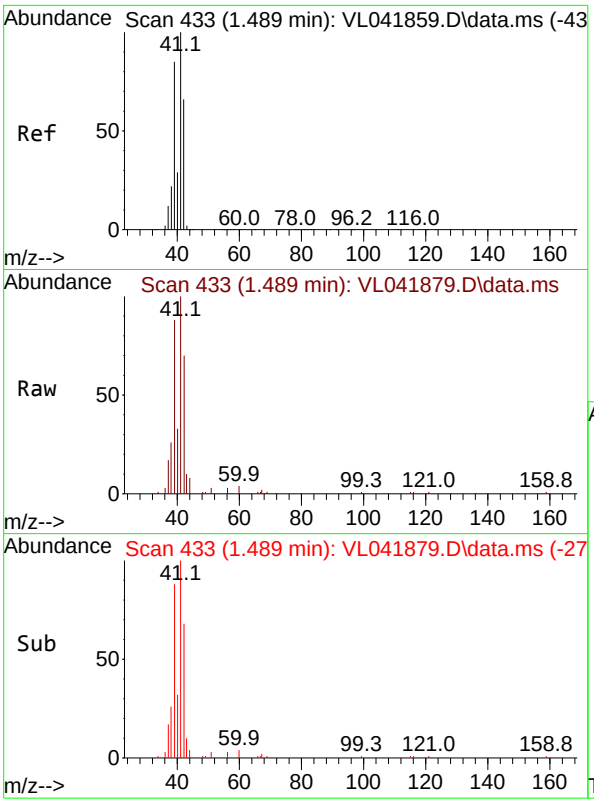


#8
Dichlorotetrafluoroethane
Concen: 0.555 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.000 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion: 85 Resp: 9599

Ion	Ratio	Lower	Upper
85	100		
135	60.1	52.2	78.4



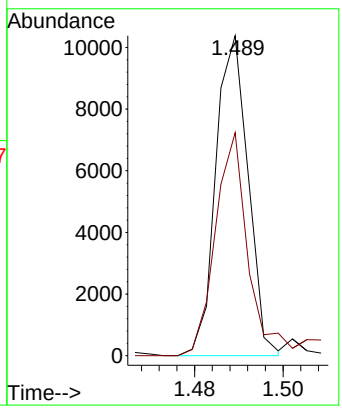


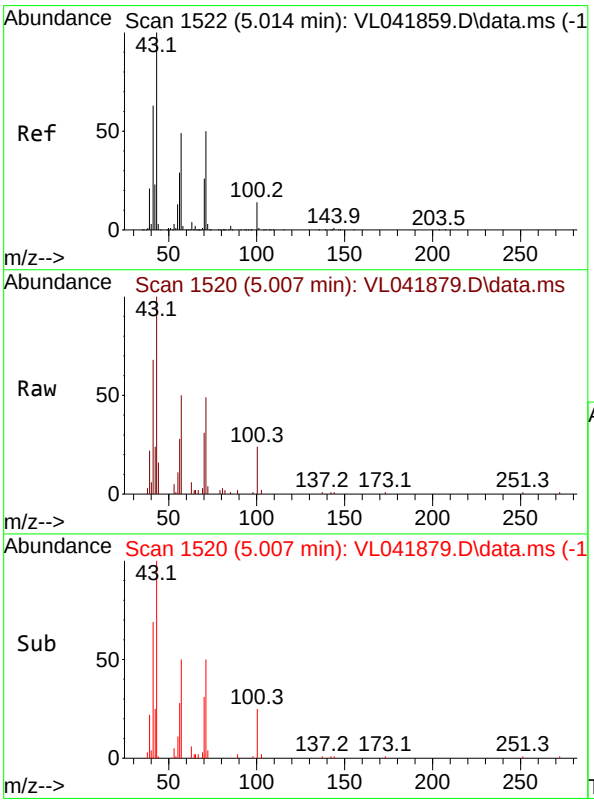
#9
Propene
Concen: 0.515 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 41 Resp: 5254

Ion	Ratio	Lower	Upper
41	100		
42	78.1	53.0	79.6

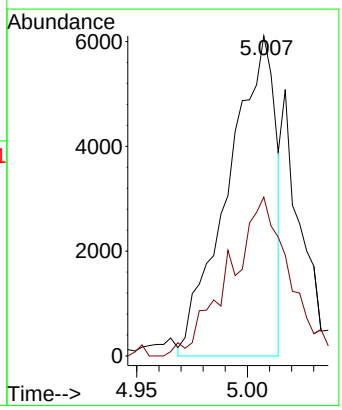


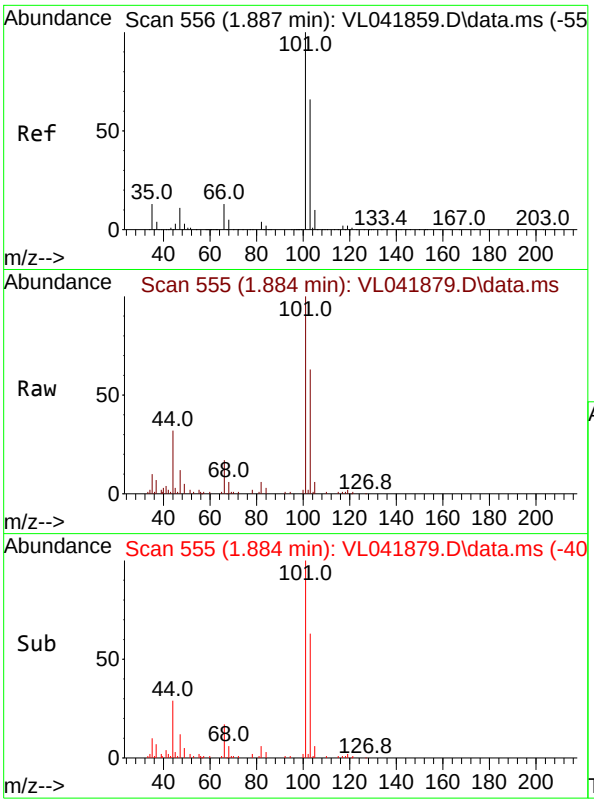


#10
Heptane
Concen: 0.339 ppbv
RT: 5.007 min Scan# 1520
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion: 43 Resp: 9121

Ion	Ratio	Lower	Upper
43	100		
57	62.5	40.2	60.2#



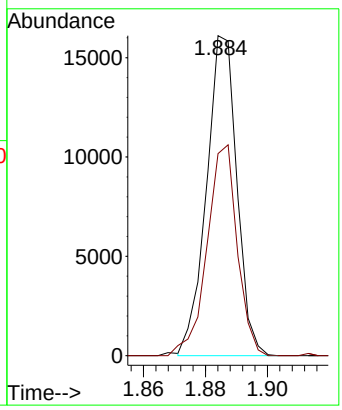


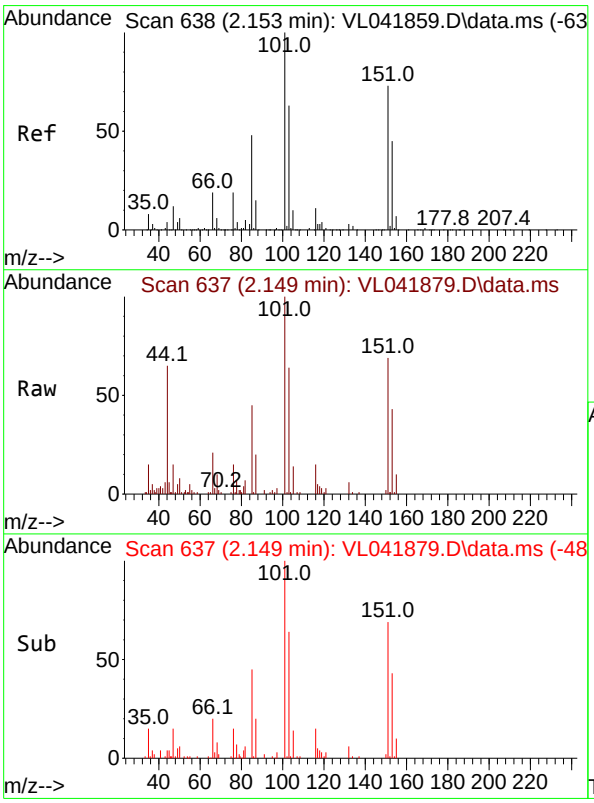
#11
Trichlorofluoromethane
Concen: 0.538 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion:101 Resp: 10995

Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.6	78.8

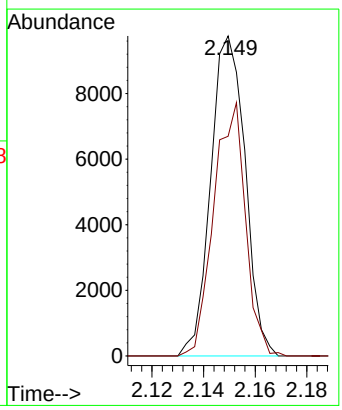


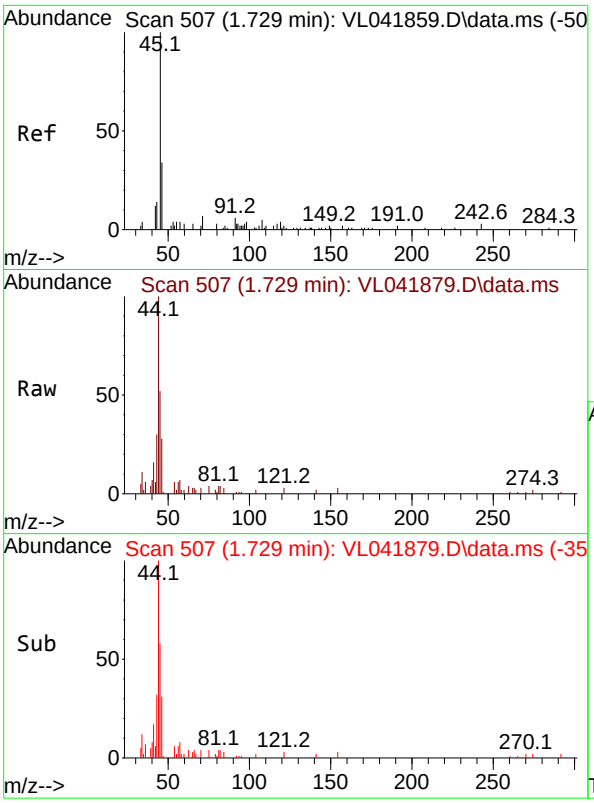


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.547 ppbv
RT: 2.149 min Scan# 637
Delta R.T. -0.003 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion:101 Resp: 9039

Ion	Ratio	Lower	Upper
101	100		
151	72.8	59.4	89.0



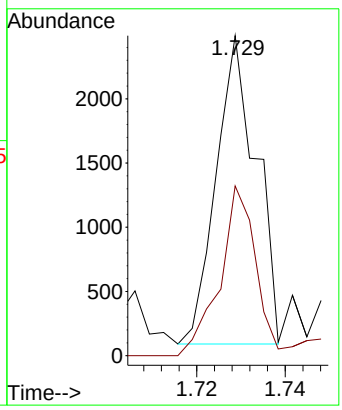


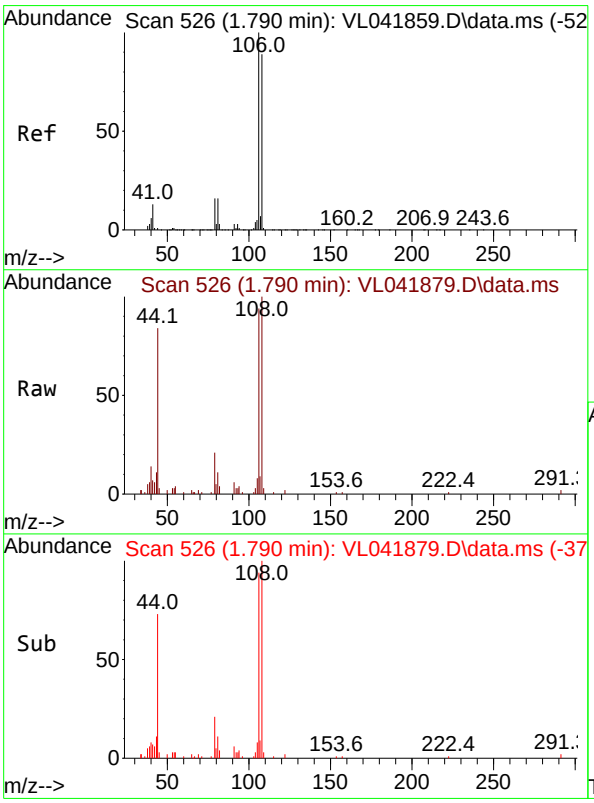
#13
Ethanol
Concen: 2.328 ppbv
RT: 1.729 min Scan# 5(
Delta R.T. -0.000 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 45 Resp: 1507

Ion	Ratio	Lower	Upper
45	100		
46	56.1	19.0	76.0

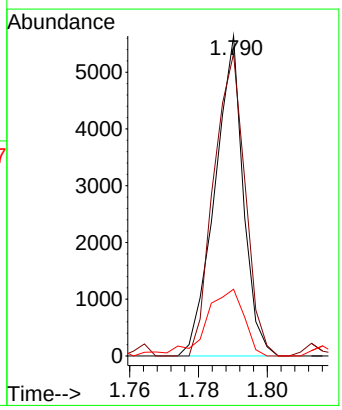


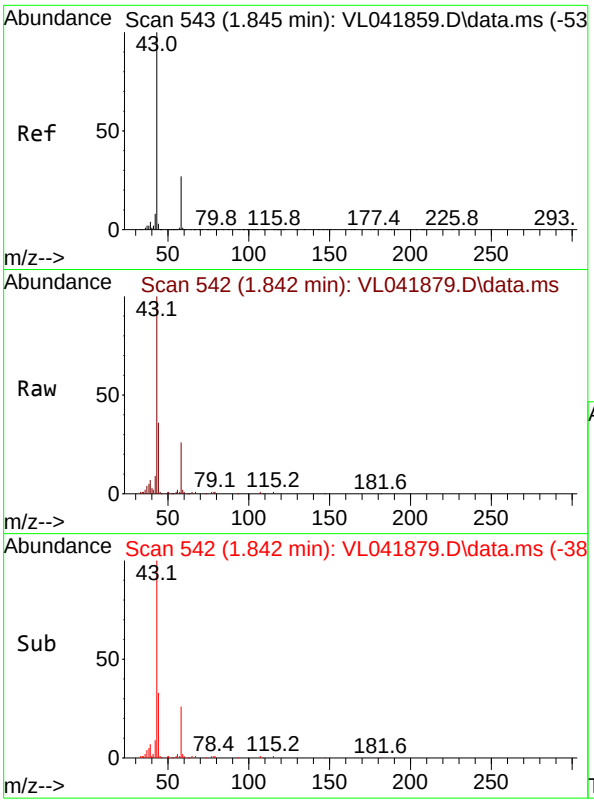


#14
Bromoethene
Concen: 0.547 ppbv
RT: 1.790 min Scan# 526
Delta R.T. -0.000 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion:108 Resp: 3238

Ion	Ratio	Lower	Upper
108	100		
106	108.4	86.9	130.3
79	35.4	15.6	23.4#



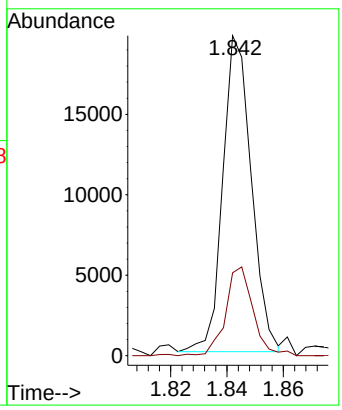


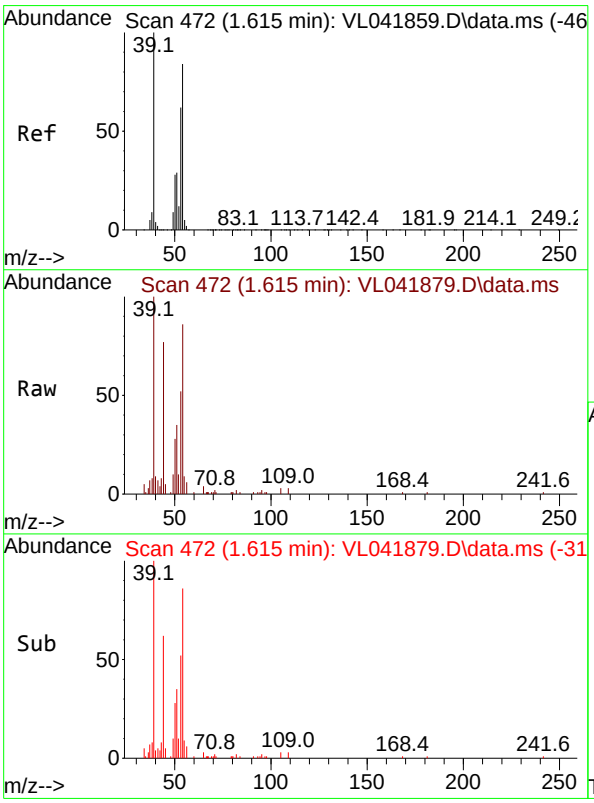
#15
Acetone
Concen: 0.676 ppbv
RT: 1.842 min Scan# 54
Delta R.T. -0.003 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 43 Resp: 13816

Ion	Ratio	Lower	Upper
43	100		
58	27.2	22.7	34.1

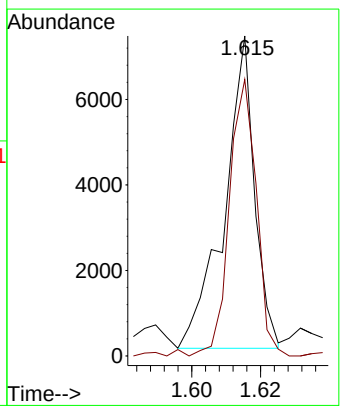


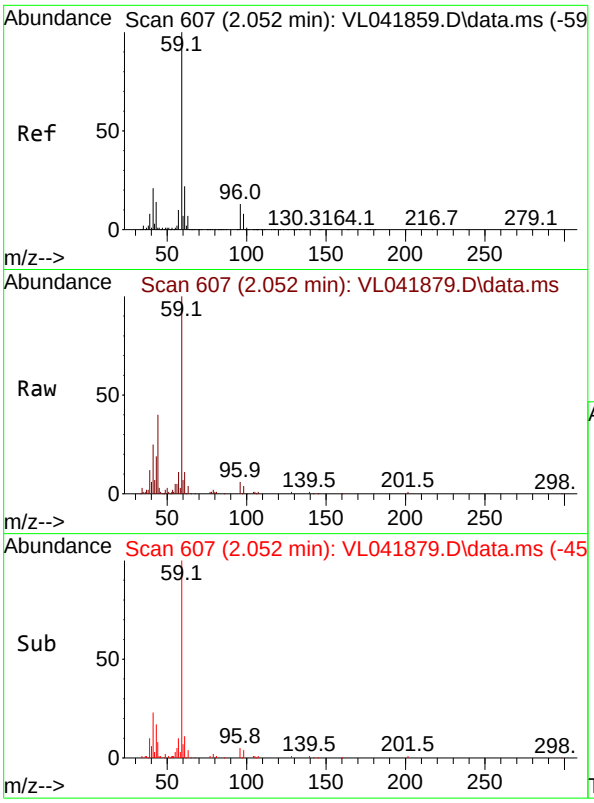


#16
1,3-Butadiene
Concen: 0.508 ppbv
RT: 1.615 min Scan# 472
Delta R.T. -0.000 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion: 39 Resp: 4458

Ion	Ratio	Lower	Upper
39	100		
54	81.5	60.1	90.1



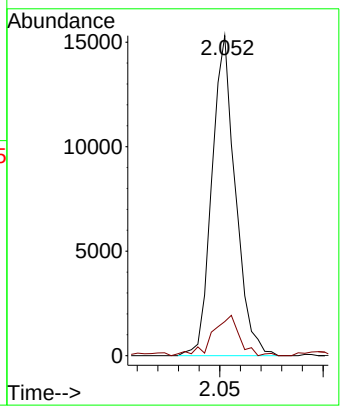


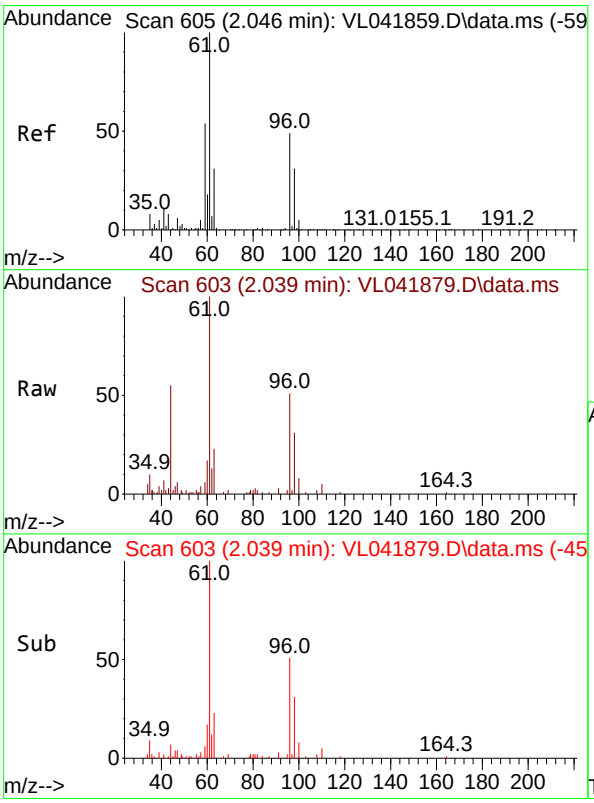
#17
tert-Butyl alcohol
Concen: 0.523 ppbv
RT: 2.052 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 59 Resp: 12123

Ion	Ratio	Lower	Upper
59	100		
57	14.4	8.2	12.4#

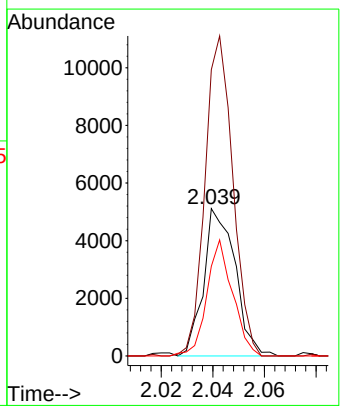


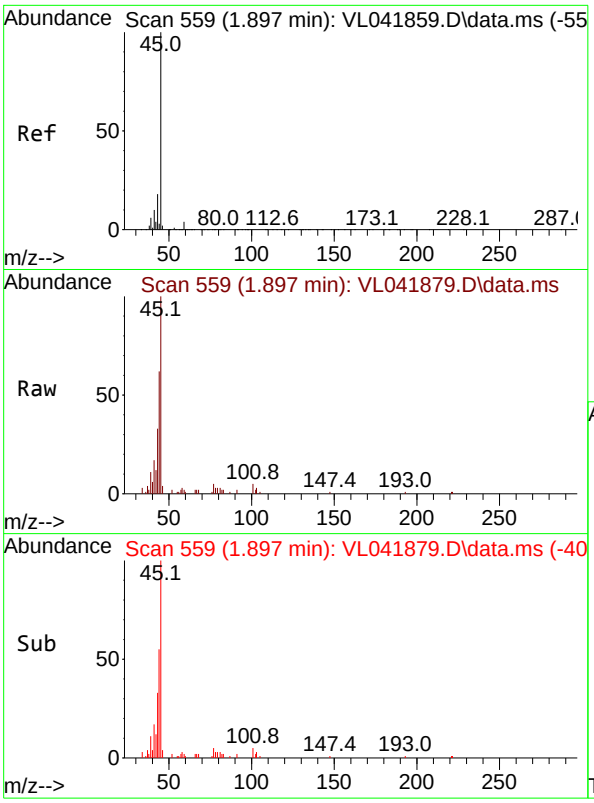


#18
1,1-Dichloroethene
Concen: 0.581 ppbv
RT: 2.039 min Scan# 603
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion: 96 Resp: 4350

Ion	Ratio	Lower	Upper
96	100		
61	194.2	161.7	242.5
98	60.8	51.0	76.4



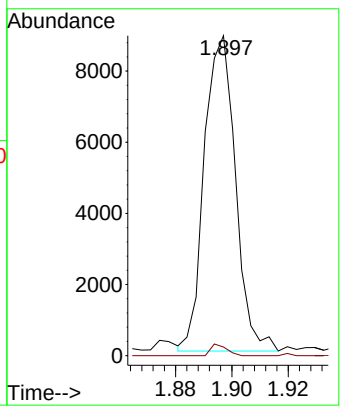


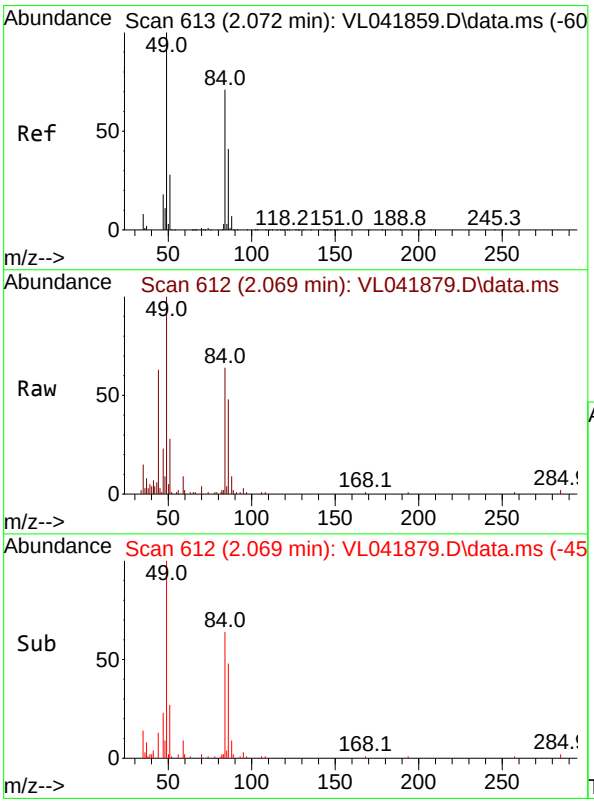
#19
Isopropyl Alcohol
Concen: 0.635 ppbv
RT: 1.897 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 45 Resp: 6814

Ion	Ratio	Lower	Upper
45	100		
58	55.2	37.0	55.6

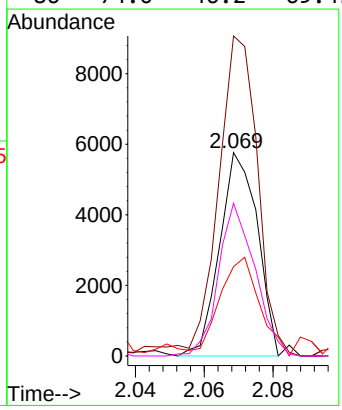


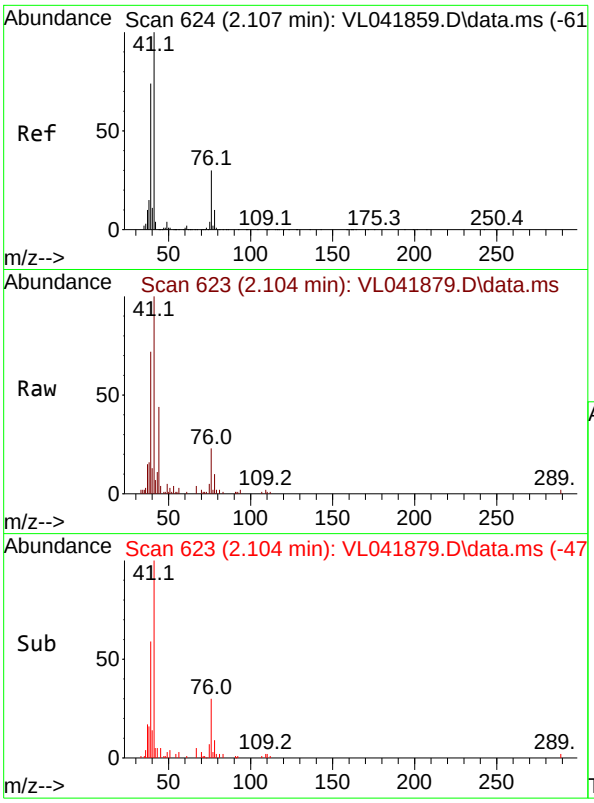


#20
Methylene Chloride
Concen: 0.630 ppbv
RT: 2.069 min Scan# 612
Delta R.T. -0.003 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion: 84 Resp: 4388

Ion	Ratio	Lower	Upper
84	100		
49	152.1	113.8	170.8
51	40.3	33.5	50.3
86	74.0	46.2	69.4#



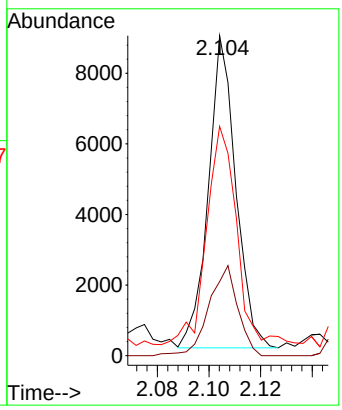


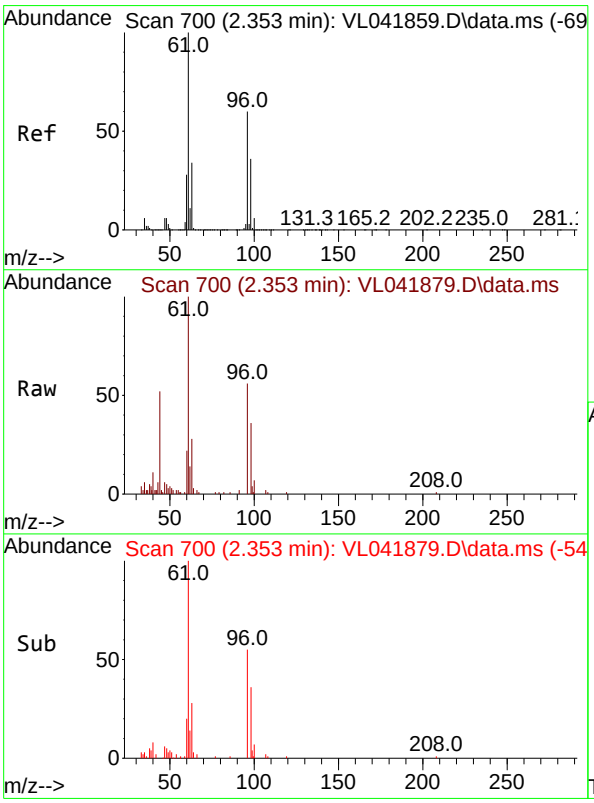
#21
Allyl Chloride
Concen: 0.500 ppbv
RT: 2.104 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 41 Resp: 6531

Ion	Ratio	Lower	Upper
41	100		
76	30.4	24.6	36.8
39	94.6	60.1	90.1#

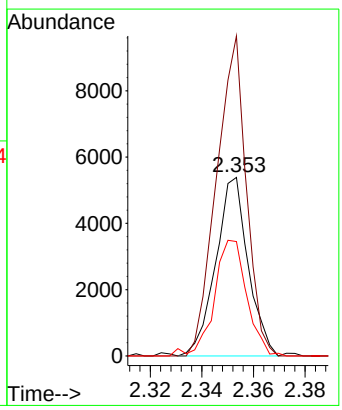


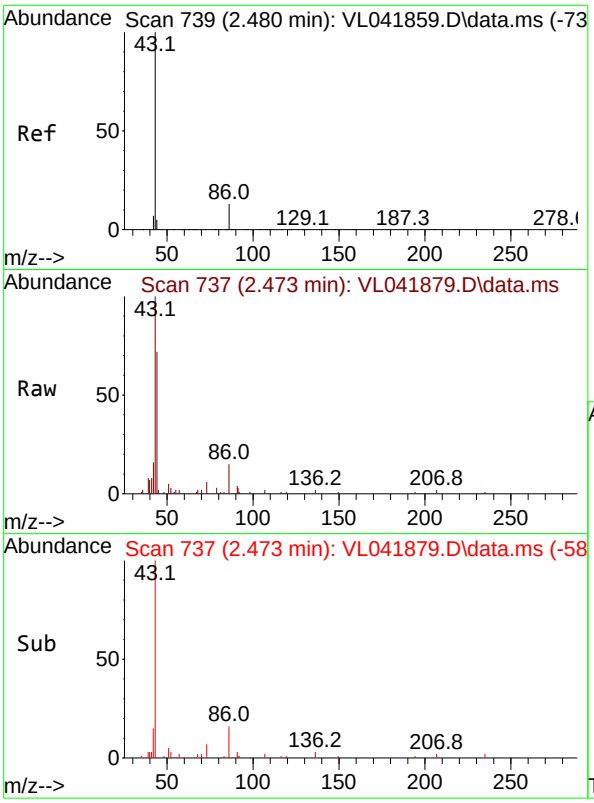


#22
trans-1,2-Dichloroethene
Concen: 0.542 ppbv
RT: 2.353 min Scan# 700
Delta R.T. 0.000 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion: 96 Resp: 4697

Ion	Ratio	Lower	Upper
96	100		
61	179.2	134.2	201.4
98	62.5	49.0	73.4



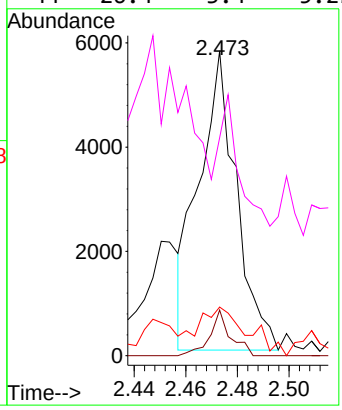


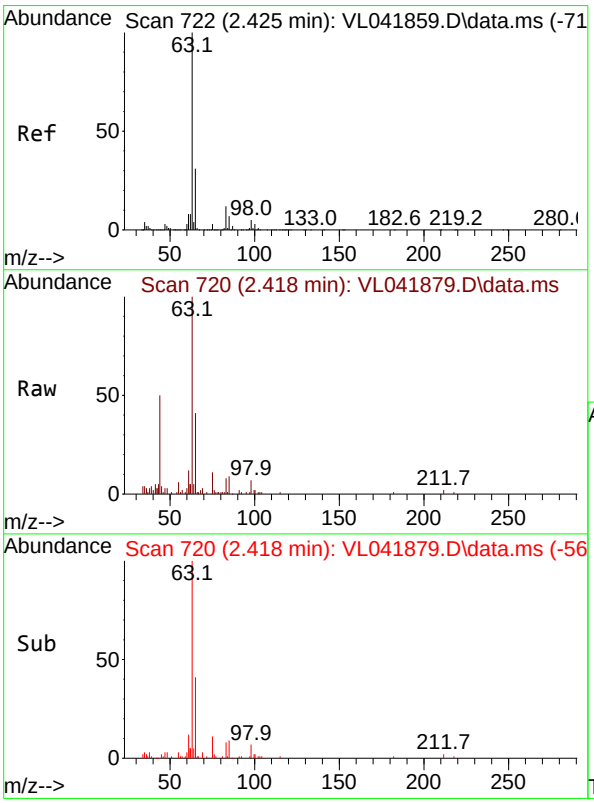
#23
Vinyl Acetate
Concen: 0.562 ppbv
RT: 2.473 min Scan# 7
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 43 Resp: 5814

Ion	Ratio	Lower	Upper
43	100		
86	15.2	7.8	11.6#
42	9.8	7.0	10.4
44	26.4	3.4	5.2#

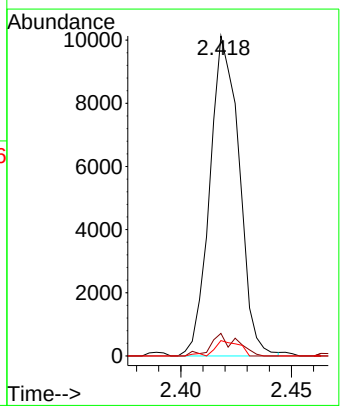


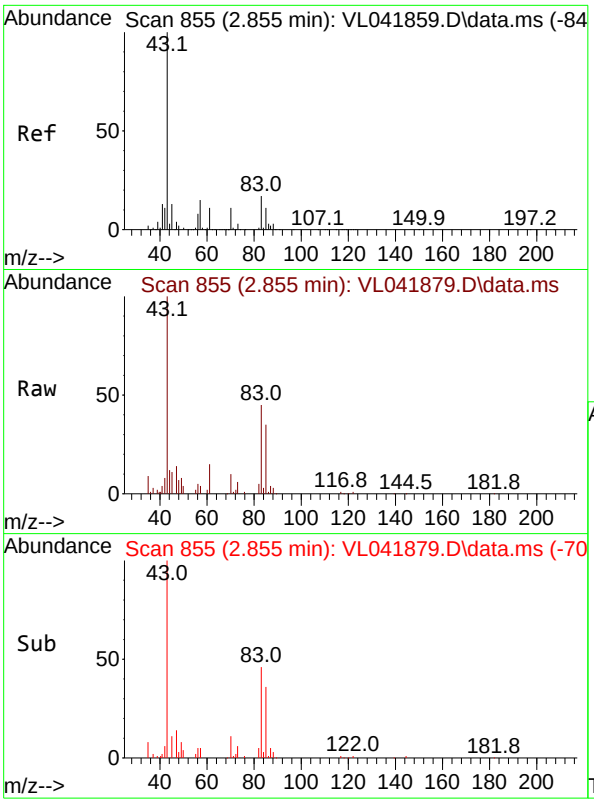


#24
1,1-Dichloroethane
Concen: 0.571 ppbv
RT: 2.418 min Scan# 720
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion: 63 Resp: 9364

Ion	Ratio	Lower	Upper
63	100		
98	7.0	2.3	6.9#
100	4.8	1.3	3.8#



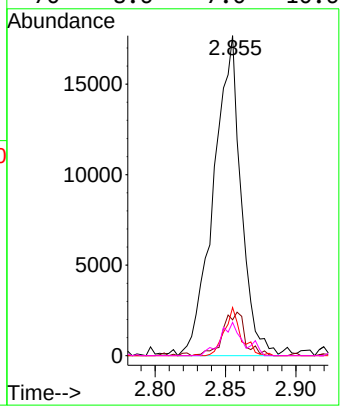


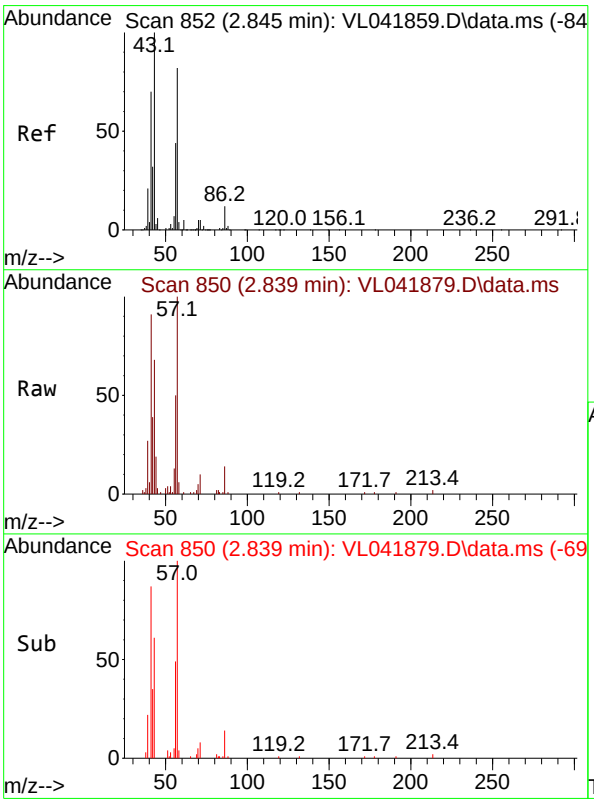
#25
Ethyl Acetate
Concen: 0.472 ppbv
RT: 2.855 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 43 Resp: 23966

Ion	Ratio	Lower	Upper
43	100		
45	11.7	8.4	12.6
61	9.1	7.3	10.9
70	8.6	7.0	10.6

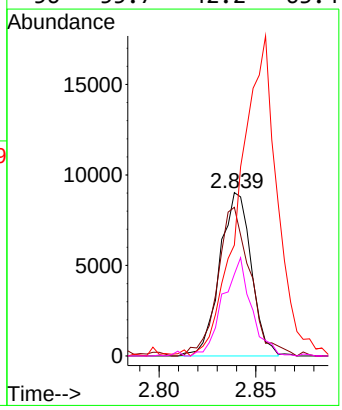


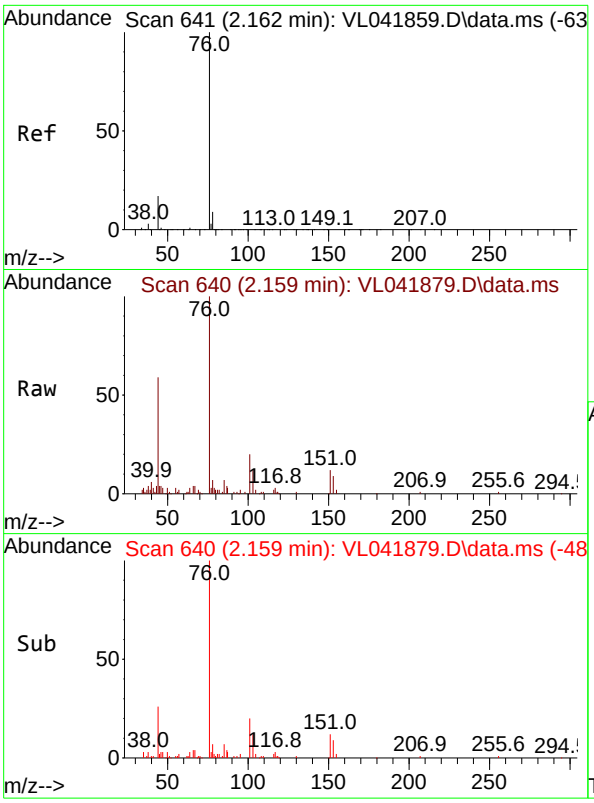


#26
Hexane
Concen: 0.488 ppbv
RT: 2.839 min Scan# 850
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion: 57 Resp: 10202

Ion	Ratio	Lower	Upper
57	100		
41	97.2	71.5	107.3
43	235.8	200.2	300.4
56	55.7	42.2	63.4



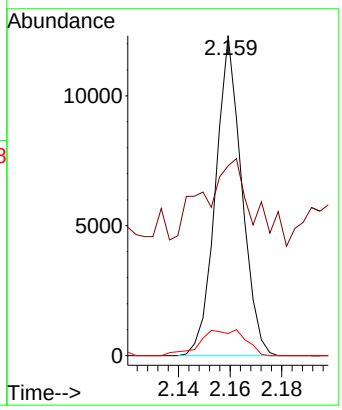


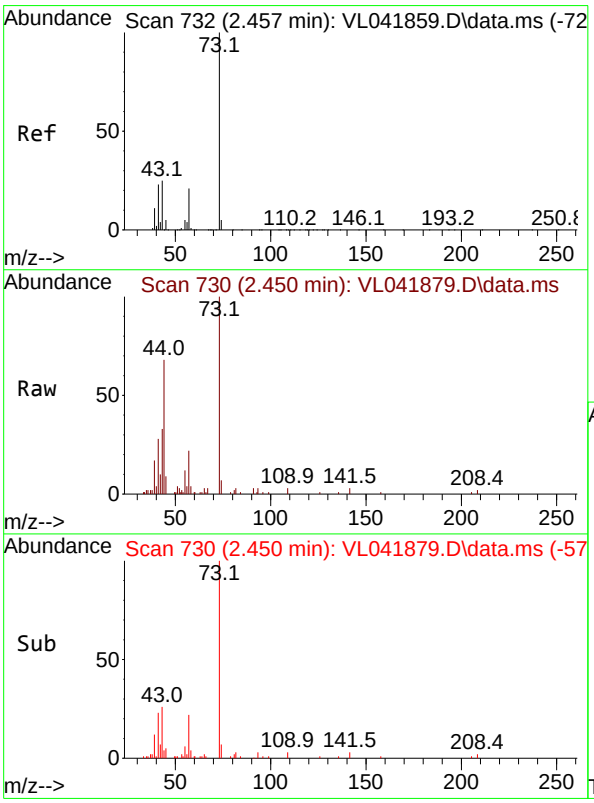
#27
Carbon Disulfide
Concen: 0.433 ppbv
RT: 2.159 min Scan# 64
Delta R.T. -0.003 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 76 Resp: 8656

Ion	Ratio	Lower	Upper
76	100		
44	105.2	13.1	19.7#
78	13.9	9.5	14.3

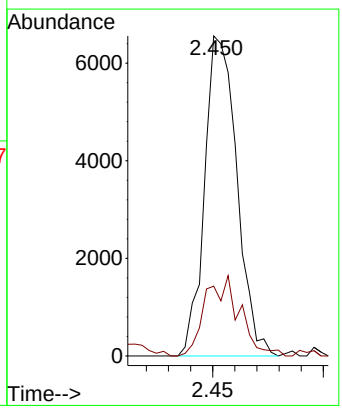


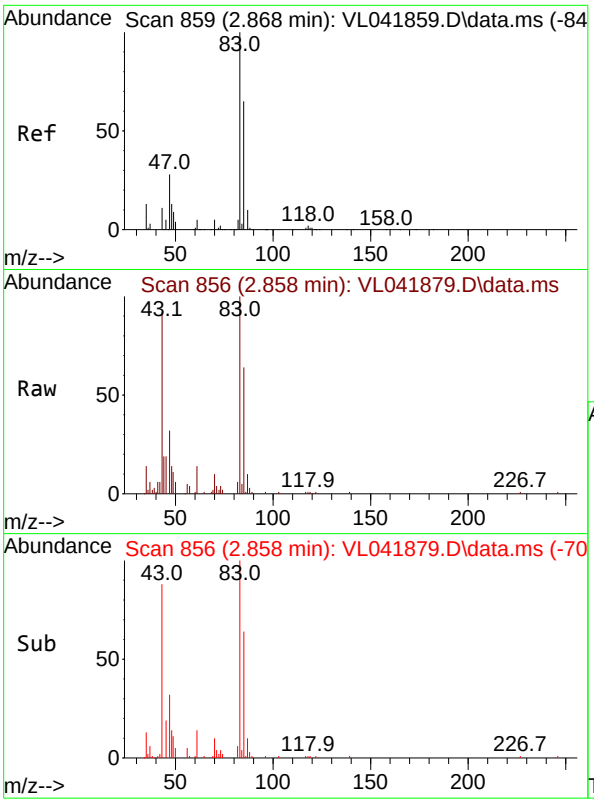


#28
Methyl tert-Butyl Ether
Concen: 0.418 ppbv
RT: 2.450 min Scan# 730
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion: 73 Resp: 6661

Ion	Ratio	Lower	Upper
73	100		
57	27.6	17.5	26.3#



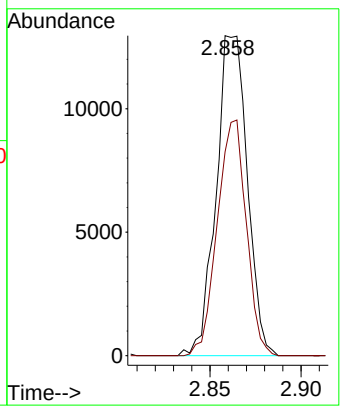


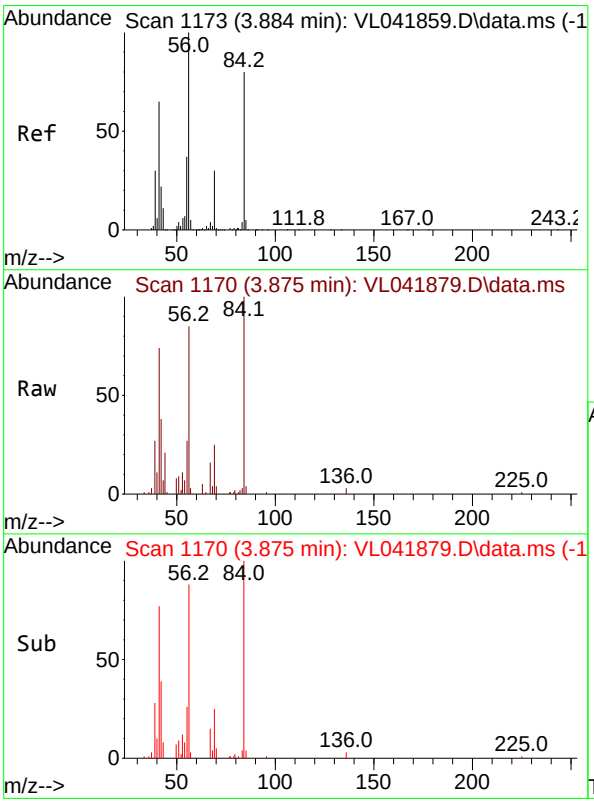
#29
Chloroform
Concen: 0.528 ppbv
RT: 2.858 min Scan# 8
Delta R.T. -0.010 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 83 Resp: 15434

Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.7	77.5

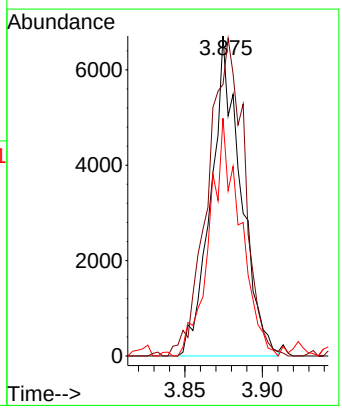


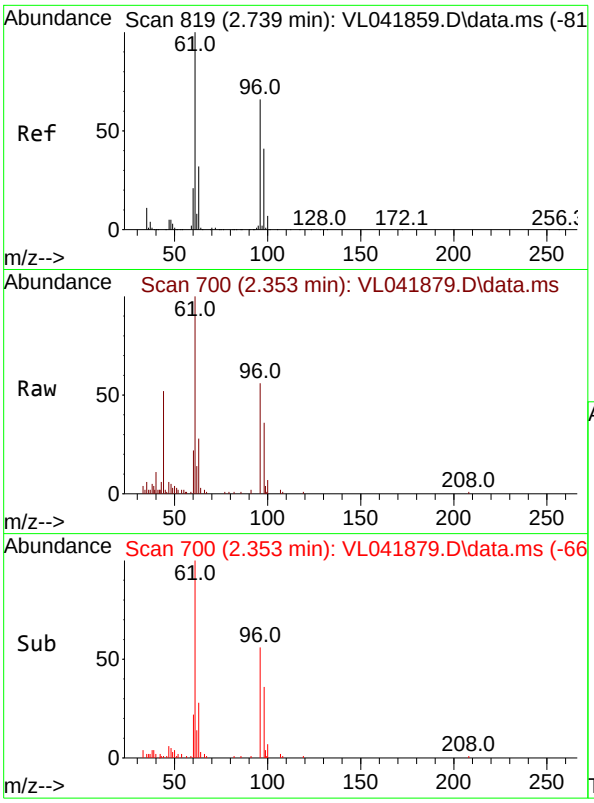


#30
Cyclohexane
Concen: 0.502 ppbv
RT: 3.875 min Scan# 1170
Delta R.T. -0.010 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion: 84 Resp: 8999

Ion	Ratio	Lower	Upper
84	100		
56	121.3	100.7	151.1
41	79.7	62.8	94.2



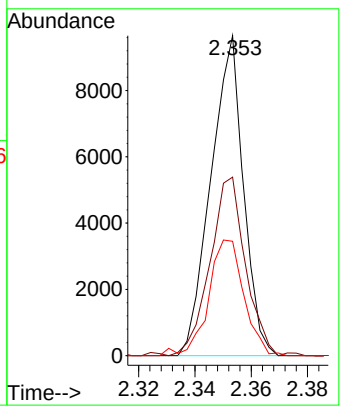


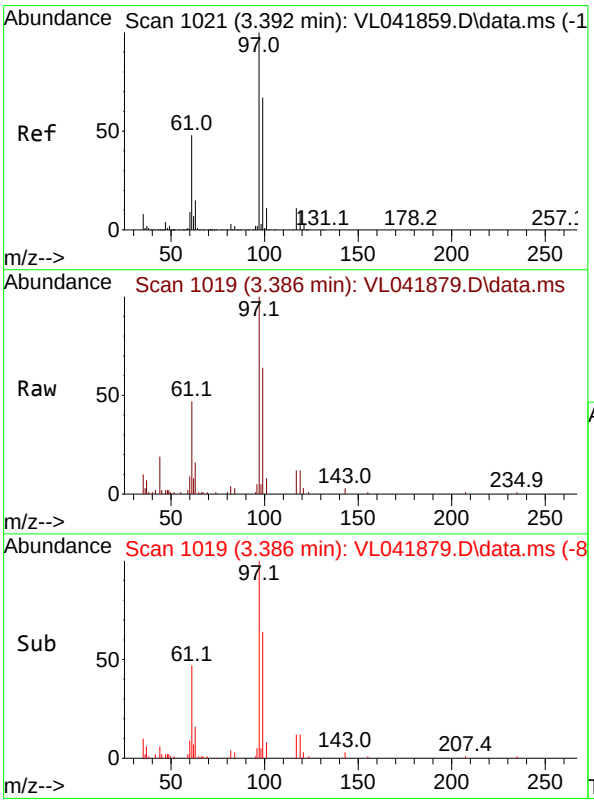
#31
cis-1,2-Dichloroethene
Concen: 0.380 ppbv
RT: 2.353 min Scan# 7
Delta R.T. -0.385 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 61 Resp: 7749

Ion	Ratio	Lower	Upper
61	100		
96	55.8	53.2	79.8
98	35.0	32.5	48.7

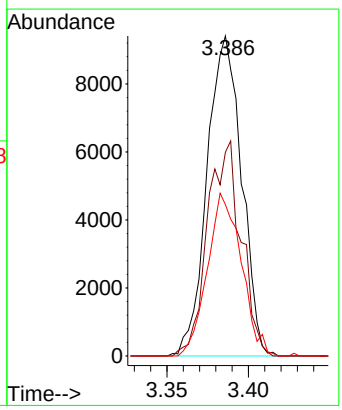


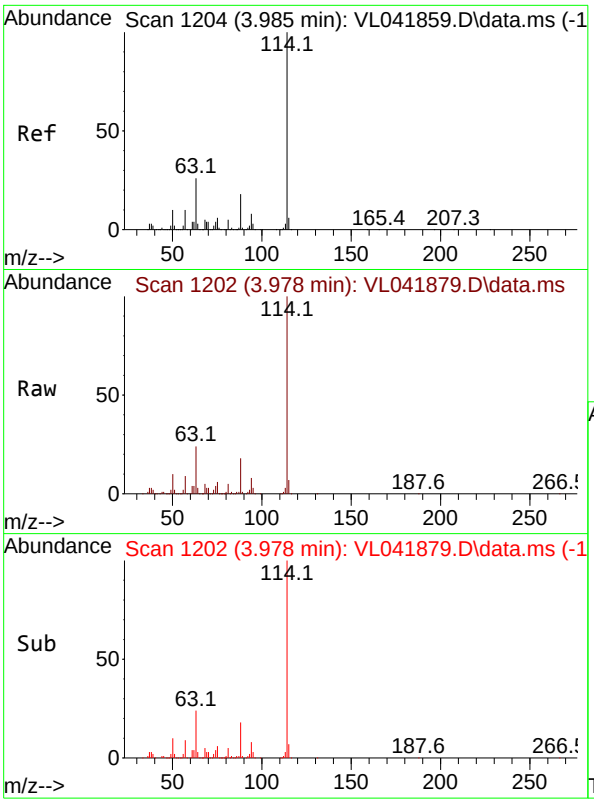


#32
1,1,1-Trichloroethane
Concen: 0.477 ppbv
RT: 3.386 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion: 97 Resp: 13839

Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.0	78.0
61	50.1	38.8	58.2



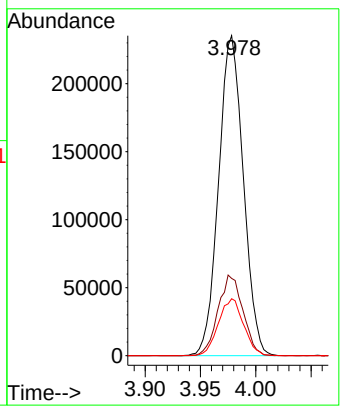


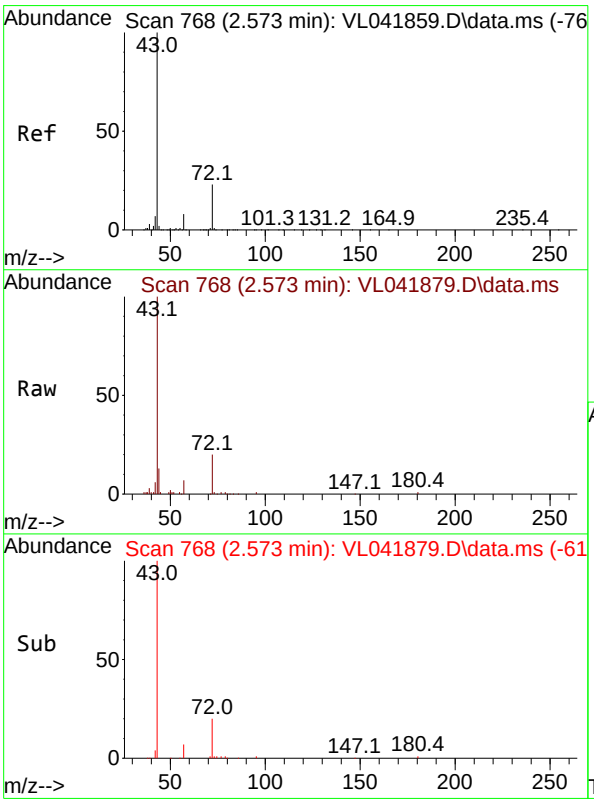
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion:114 Resp: 366226

Ion	Ratio	Lower	Upper
114	100		
63	25.3	20.3	30.5
88	18.1	14.6	21.8

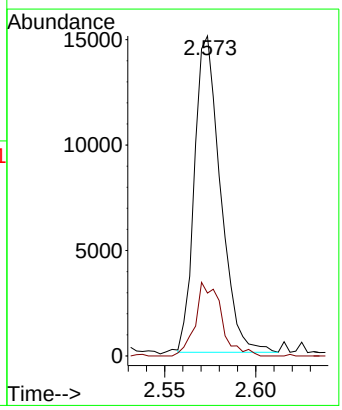


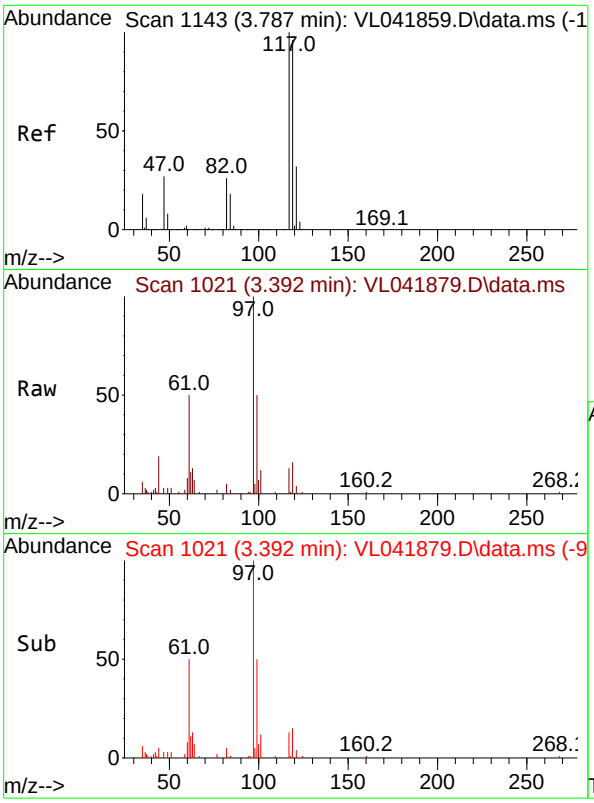


#34
2-Butanone
Concen: 0.490 ppbv
RT: 2.573 min Scan# 768
Delta R.T. -0.000 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion: 43 Resp: 14922

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.5	27.7



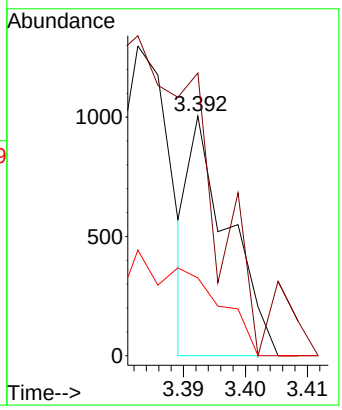


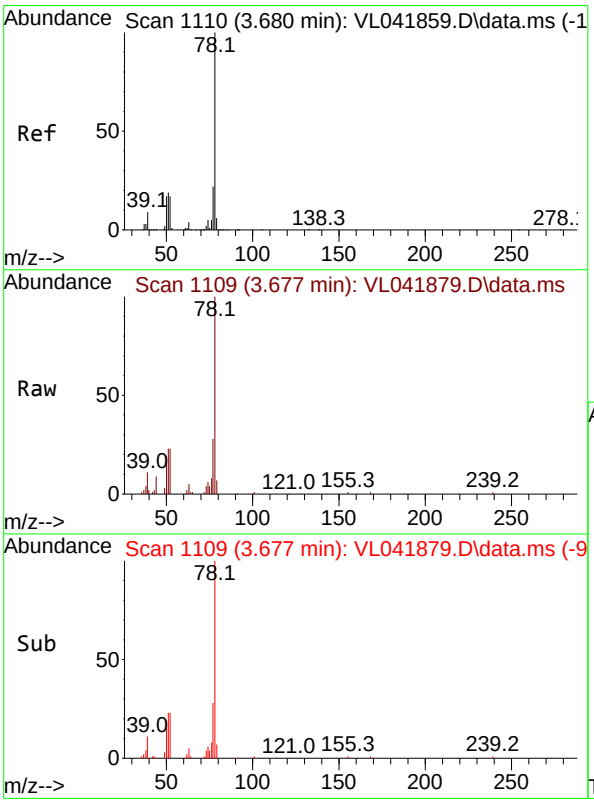
#35
Carbon Tetrachloride
Concen: 0.016 ppbv
RT: 3.392 min Scan# 1
Delta R.T. -0.395 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion:117 Resp: 442

Ion	Ratio	Lower	Upper
117	100		
119	87.0	76.9	115.3
121	32.5	25.9	38.9

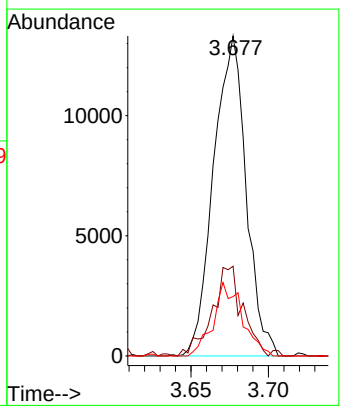


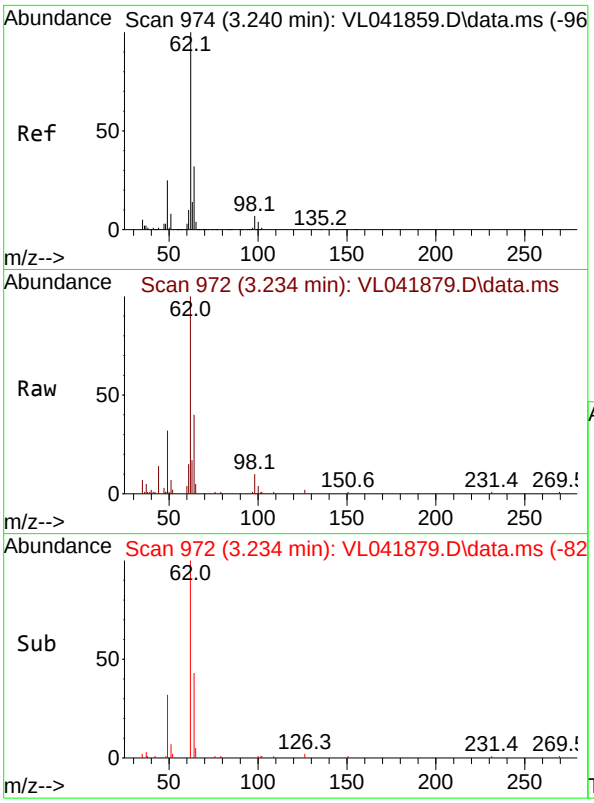


#36
Benzene
Concen: 0.457 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. -0.003 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion: 78 Resp: 19420

Ion	Ratio	Lower	Upper
78	100		
77	28.1	17.9	26.9#
50	18.6	13.7	20.5



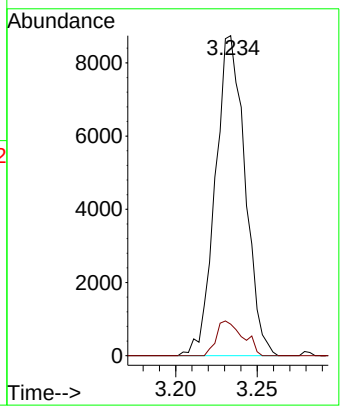


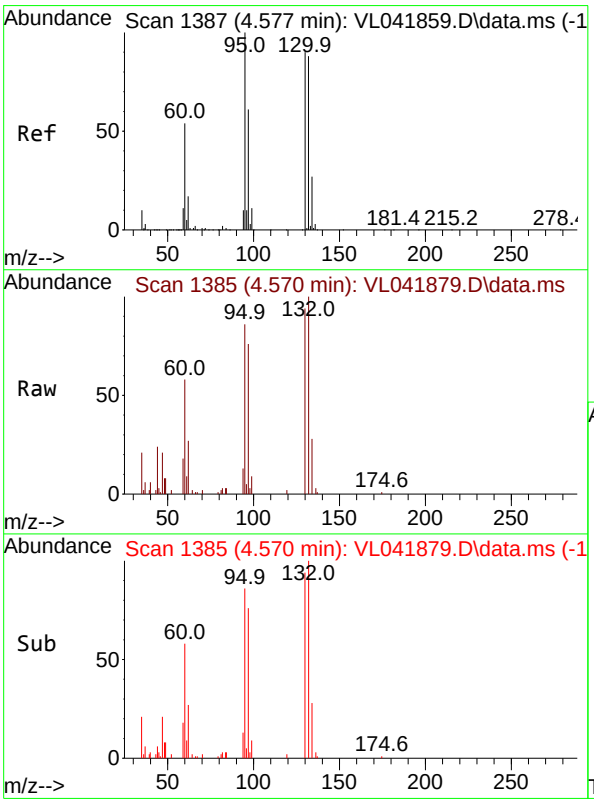
#37
1,2-Dichloroethane
Concen: 0.497 ppbv
RT: 3.234 min Scan# 9
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 62 Resp: 11074

Ion	Ratio	Lower	Upper
62	100		
98	9.7	5.6	8.4#

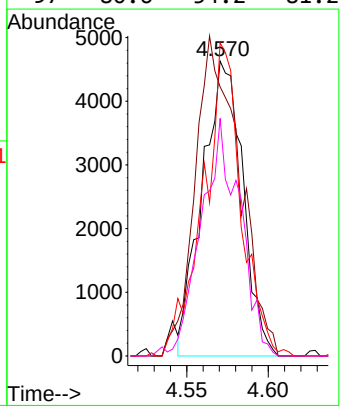


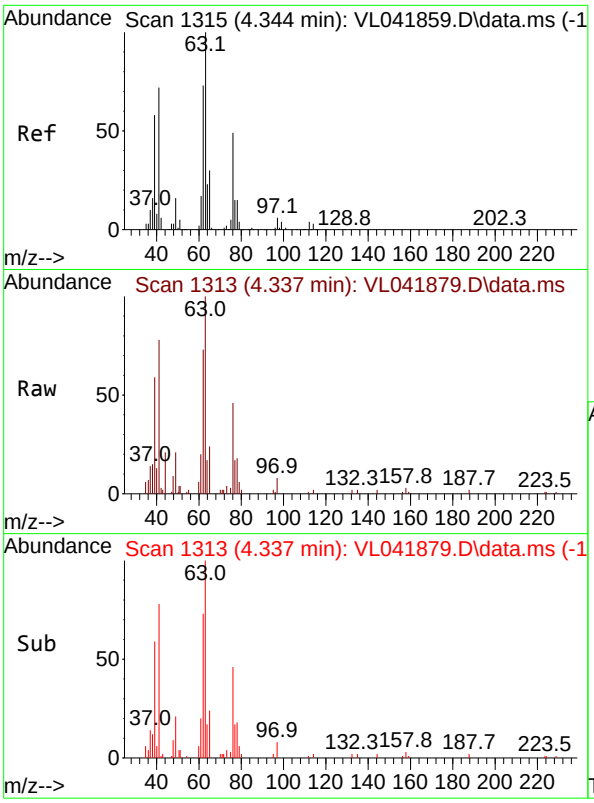


#38
Trichloroethene
Concen: 0.477 ppbv
RT: 4.570 min Scan# 1385
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion:130 Resp: 7999

Ion	Ratio	Lower	Upper
130	100		
95	91.2	88.5	132.7
132	104.8	78.2	117.2
97	80.6	54.2	81.2



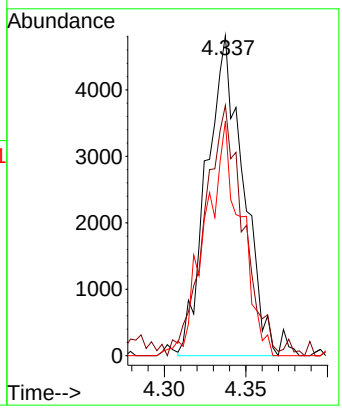


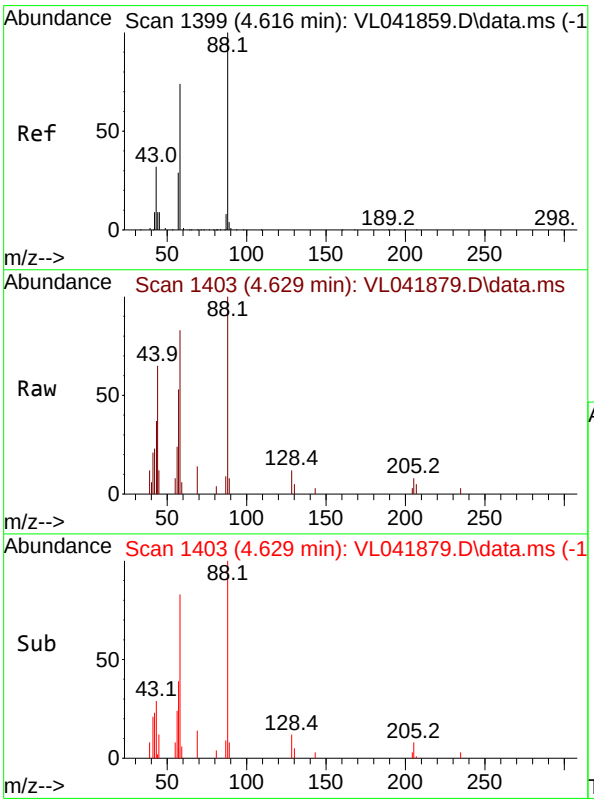
#39
1,2-Dichloropropane
Concen: 0.496 ppbv
RT: 4.337 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 63 Resp: 7491

Ion	Ratio	Lower	Upper
63	100		
41	65.6	58.0	87.0
62	62.6	58.6	87.8

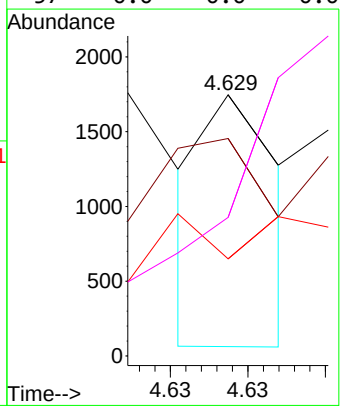


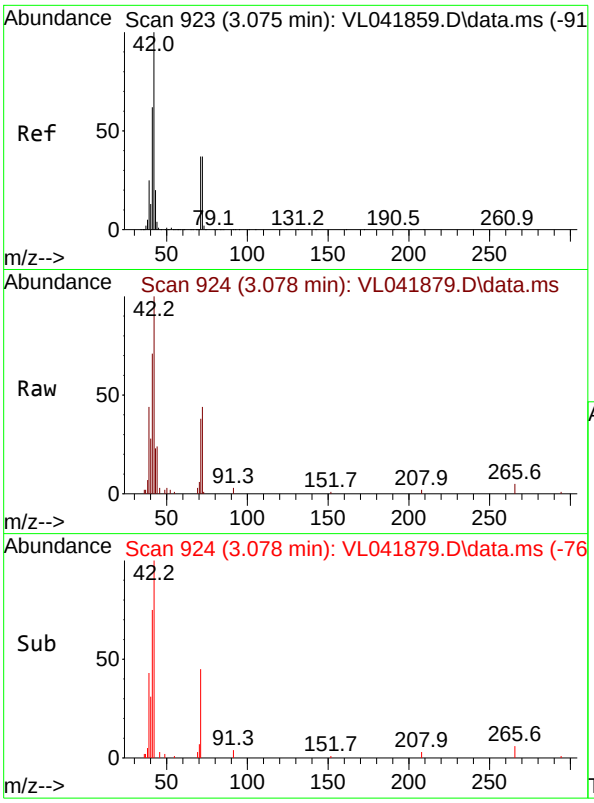


#40
1,4-Dioxane
Concen: 0.074 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. 0.013 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion: 88 Resp: 562

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



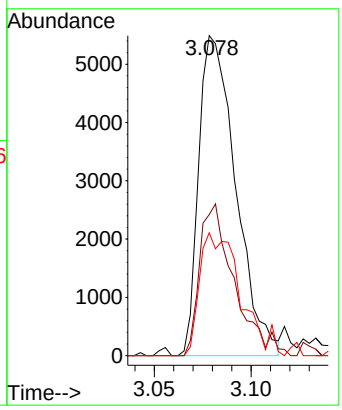


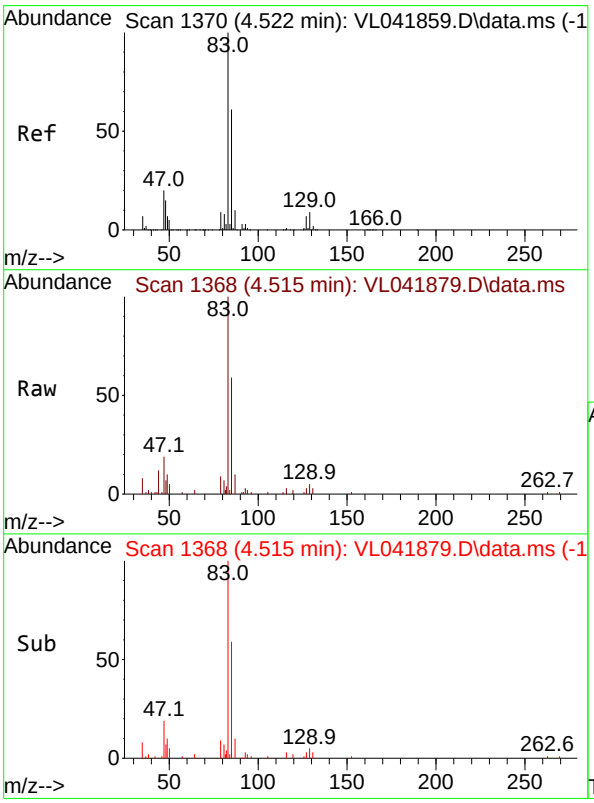
#41
Tetrahydrofuran
Concen: 0.409 ppbv
RT: 3.078 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 42 Resp: 7317

Ion	Ratio	Lower	Upper
42	100		
72	45.4	30.8	46.2
71	43.4	30.1	45.1

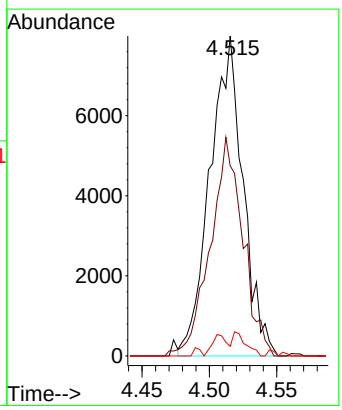


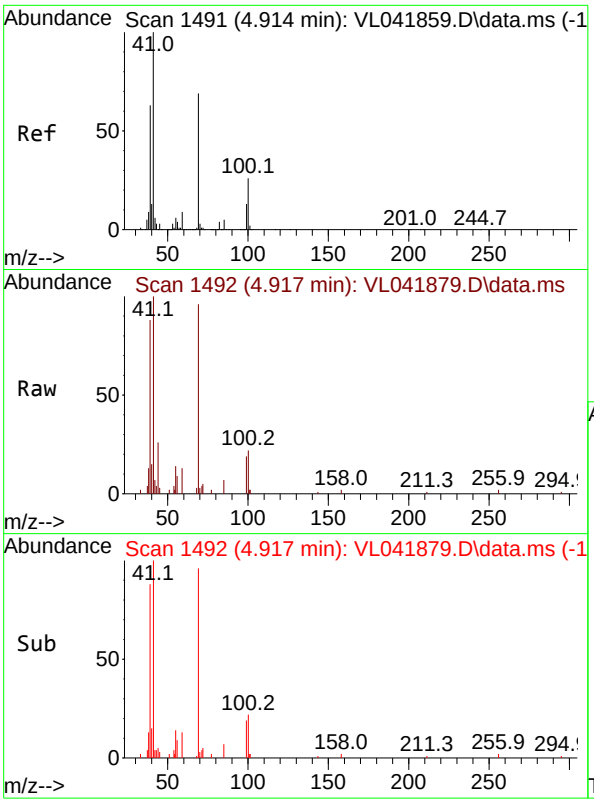


#42
Bromodichloromethane
Concen: 0.445 ppbv
RT: 4.515 min Scan# 1368
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion: 83 Resp: 13624

Ion	Ratio	Lower	Upper
83	100		
85	59.4	48.9	73.3
127	3.0	5.4	8.2#



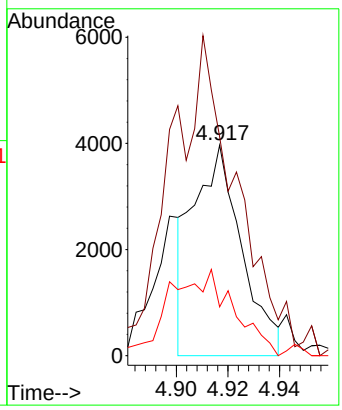


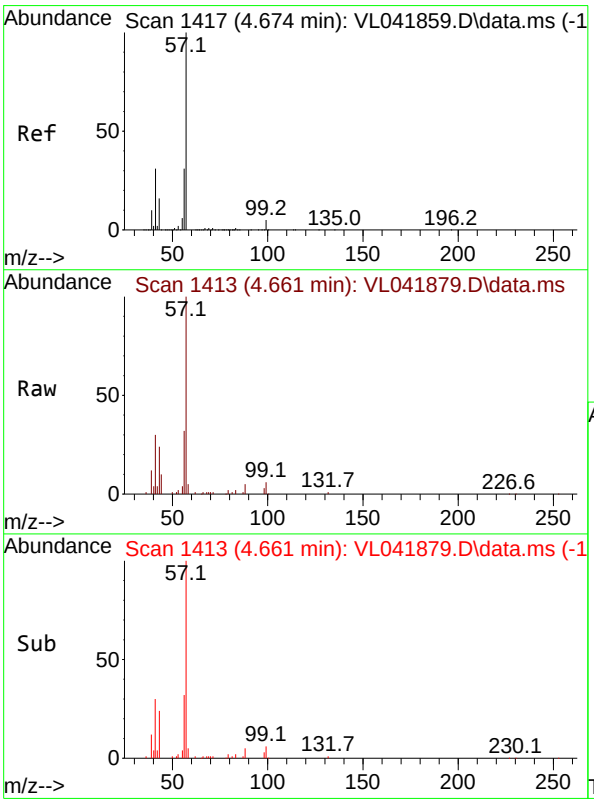
#43
Methyl Methacrylate
Concen: 0.295 ppbv
RT: 4.917 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 69 Resp: 5138

Ion	Ratio	Lower	Upper
69	100		
41	214.3	116.2	174.4#
100	58.1	29.8	44.8#

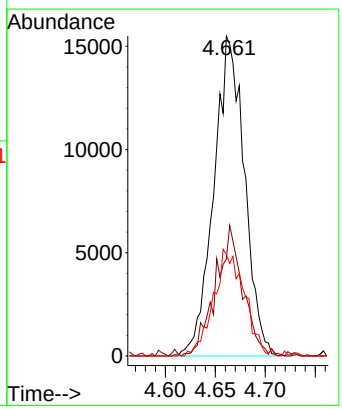


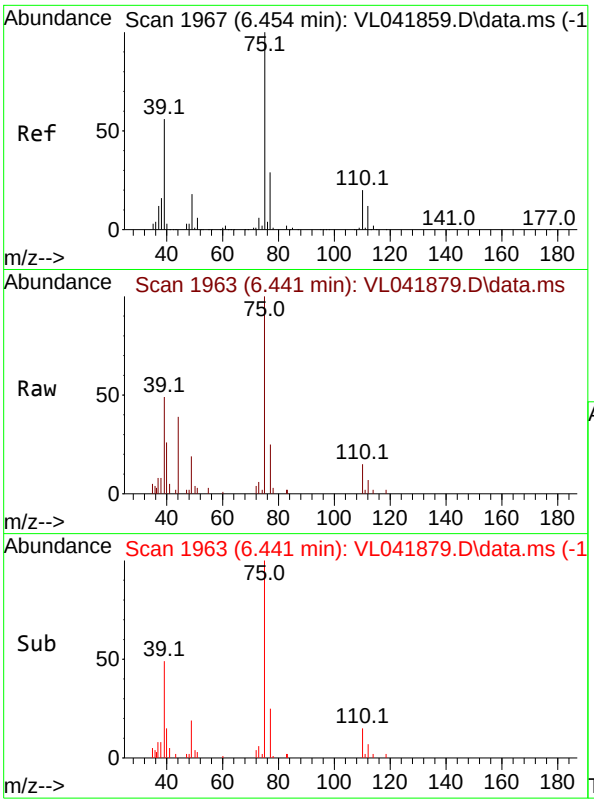


#44
2,2,4-Trimethylpentane
Concen: 0.460 ppbv
RT: 4.661 min Scan# 1413
Delta R.T. -0.013 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion: 57 Resp: 32989

Ion	Ratio	Lower	Upper
57	100		
41	36.9	25.5	38.3
56	33.7	25.6	38.4



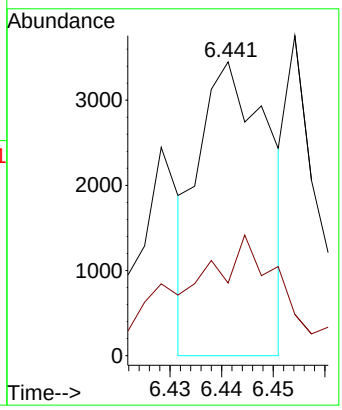


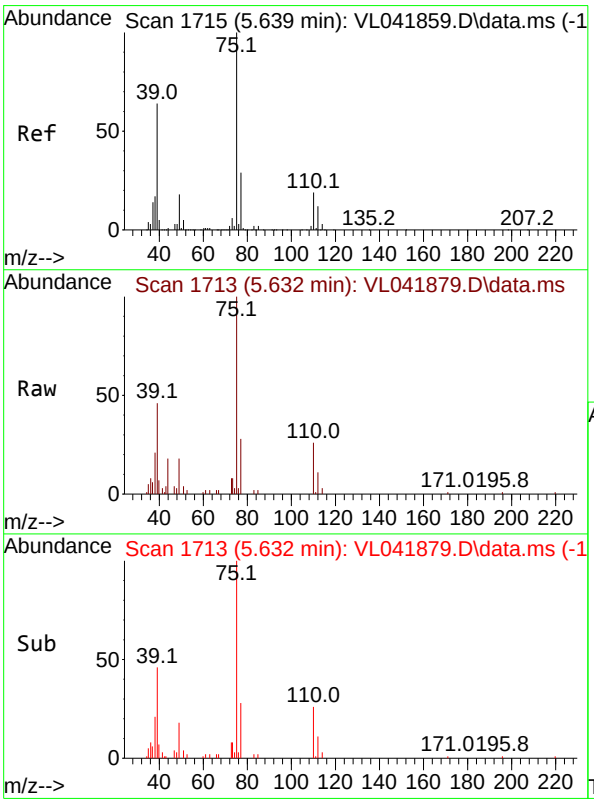
#45
t-1,3-Dichloropropene
Concen: 0.182 ppbv
RT: 6.441 min Scan# 1
Delta R.T. -0.013 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 75 Resp: 3241

Ion	Ratio	Lower	Upper
75	100		
77	24.7	23.4	35.2

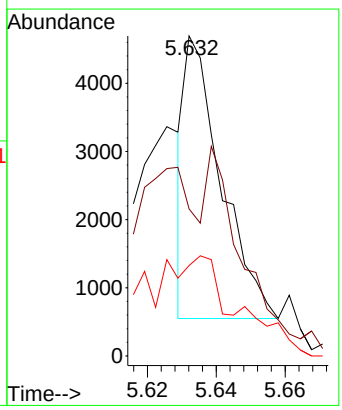


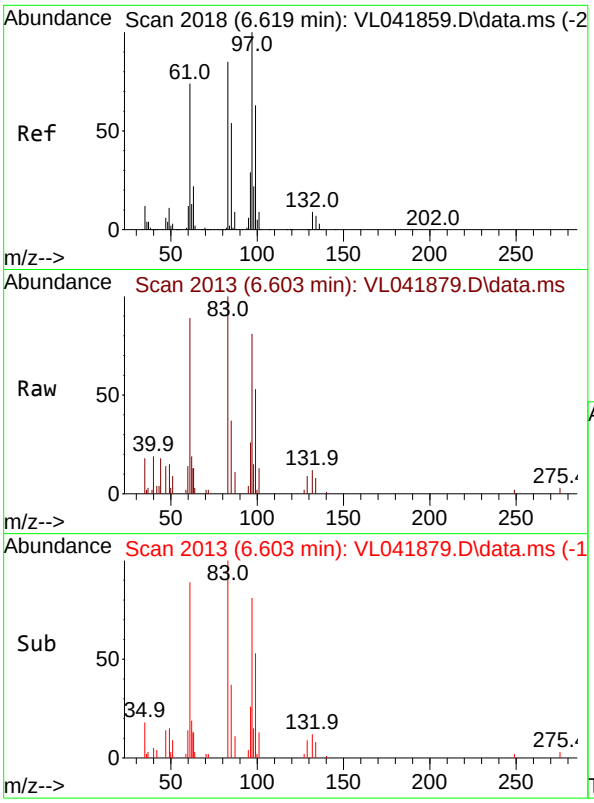


#46
cis-1,3-Dichloropropene
Concen: 0.133 ppbv
RT: 5.632 min Scan# 1713
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion: 75 Resp: 3037

Ion	Ratio	Lower	Upper
75	100		
39	39.3	51.4	77.2#
77	20.3	23.0	34.4#



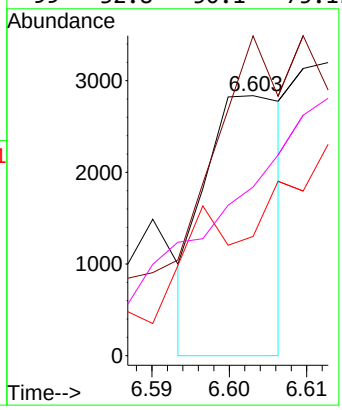


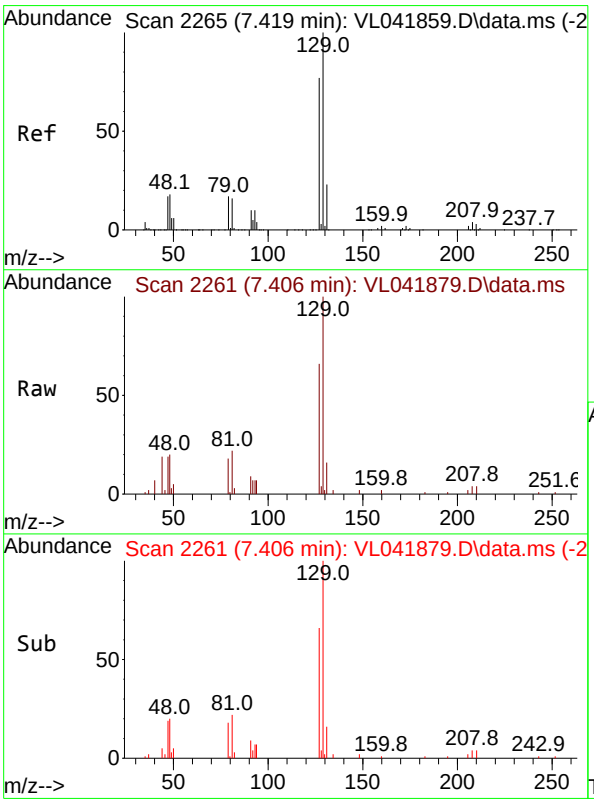
#47
1,1,2-Trichloroethane
Concen: 0.125 ppbv
RT: 6.603 min Scan# 2
Delta R.T. -0.016 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 97 Resp: 1992

Ion	Ratio	Lower	Upper
97	100		
83	133.0	68.1	102.1#
85	17.3	43.4	65.2#
99	32.8	50.1	75.1#

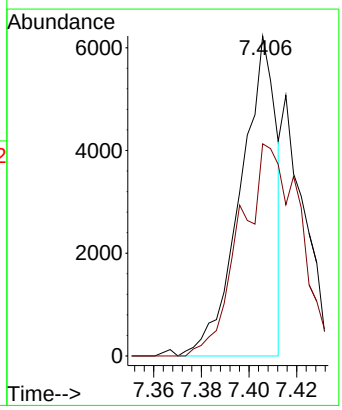


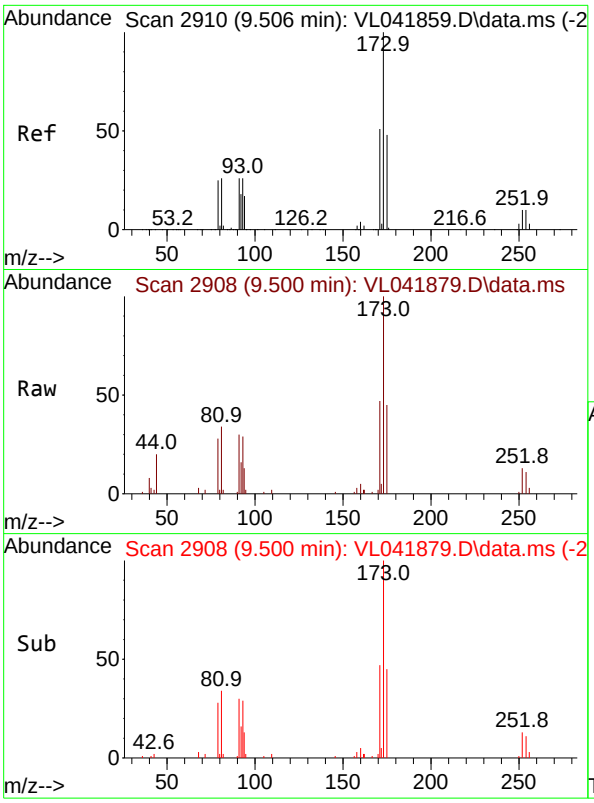


#48
Dibromochloromethane
Concen: 0.269 ppbv
RT: 7.406 min Scan# 2261
Delta R.T. -0.013 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion:129 Resp: 6478

Ion	Ratio	Lower	Upper
129	100		
127	111.2	39.4	118.1



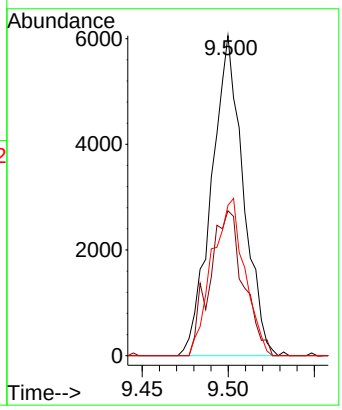


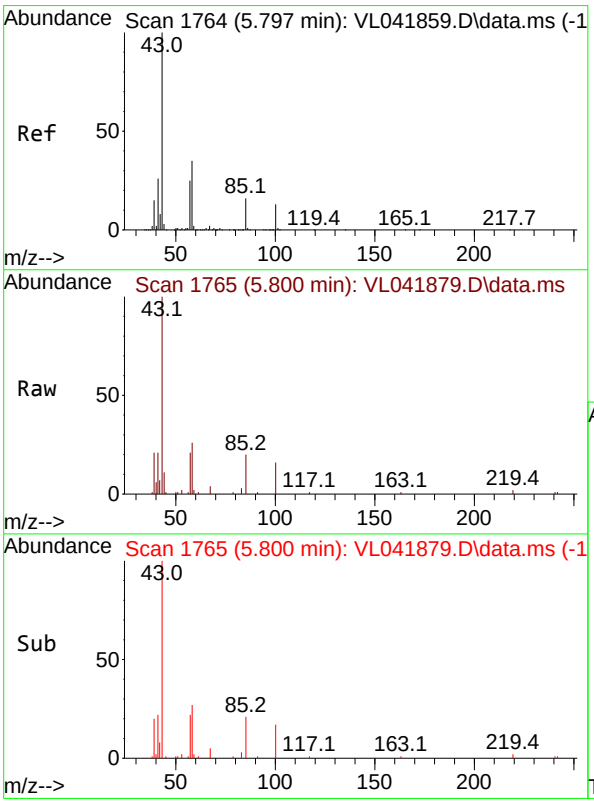
#49
Bromoform
Concen: 0.369 ppbv
RT: 9.500 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion:173 Resp: 7759

Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.2	57.2
171	50.5	41.3	61.9

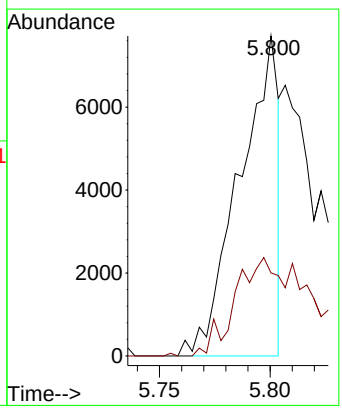


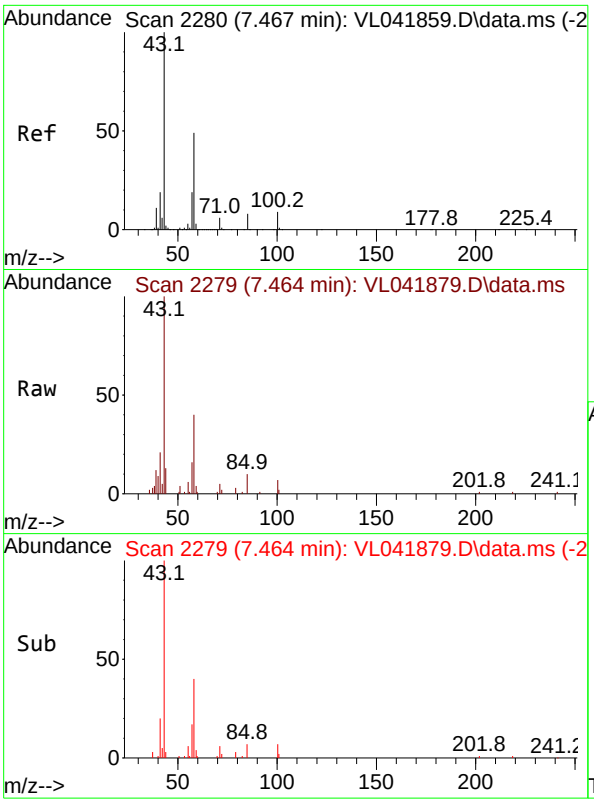


#50
4-Methyl-2-Pentanone
Concen: 0.217 ppbv
RT: 5.800 min Scan# 1765
Delta R.T. 0.003 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion: 43 Resp: 9431

Ion	Ratio	Lower	Upper
43	100		
58	63.8	29.4	44.2#



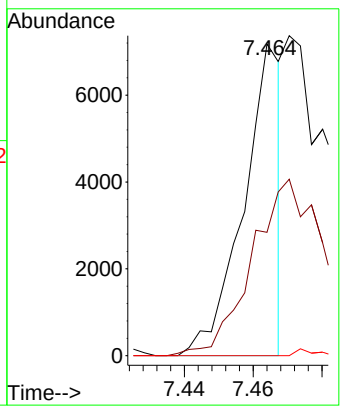


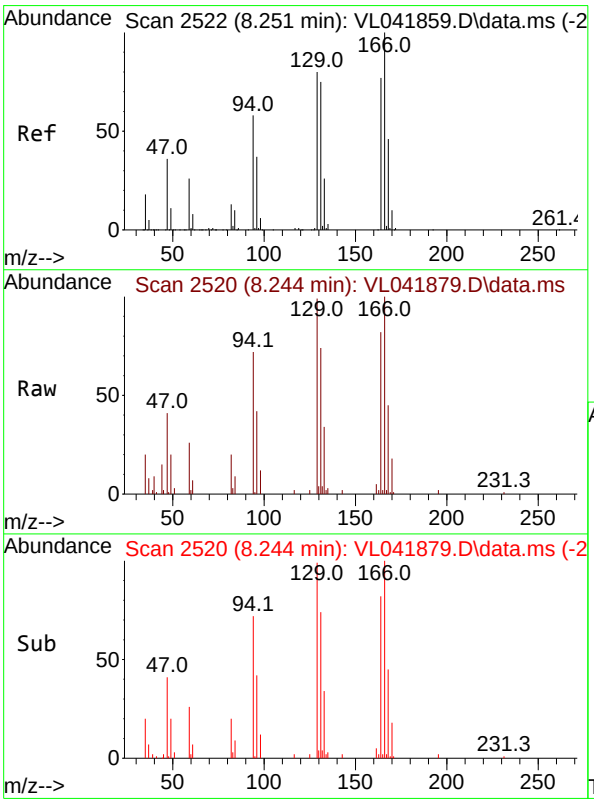
#51
2-Hexanone
Concen: 0.152 ppbv
RT: 7.464 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 43 Resp: 5449

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.0	60.0#
98	0.0	0.1	0.1#

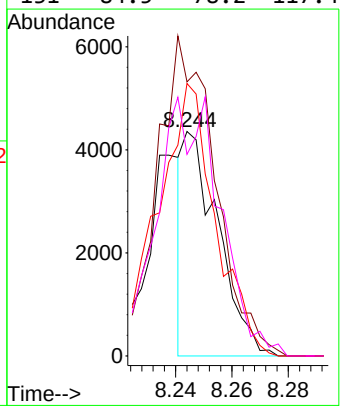


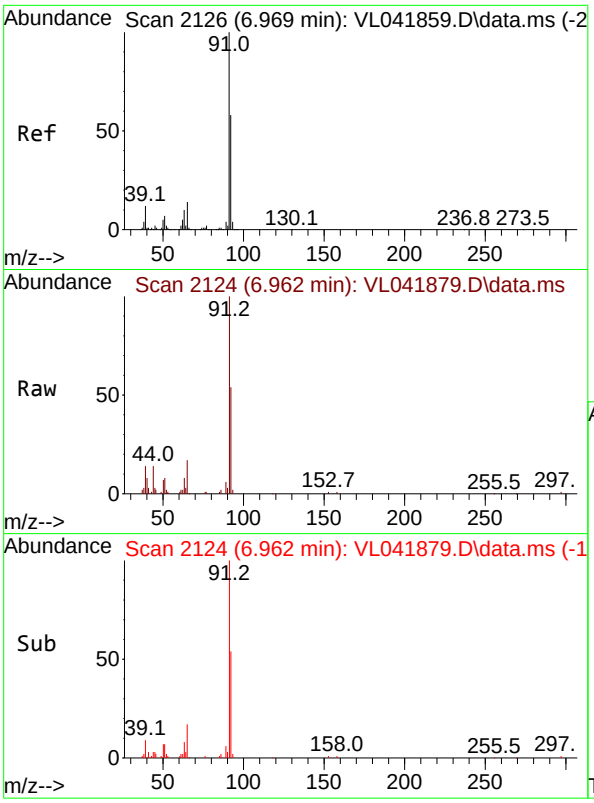


#52
Tetrachloroethene
Concen: 0.228 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion:164 Resp: 3712

Ion	Ratio	Lower	Upper
164	100		
166	119.6	103.6	155.4
129	121.4	82.6	123.8
131	84.5	78.2	117.4



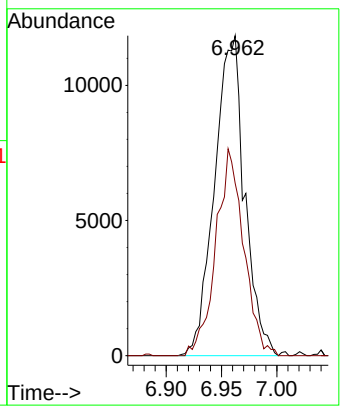


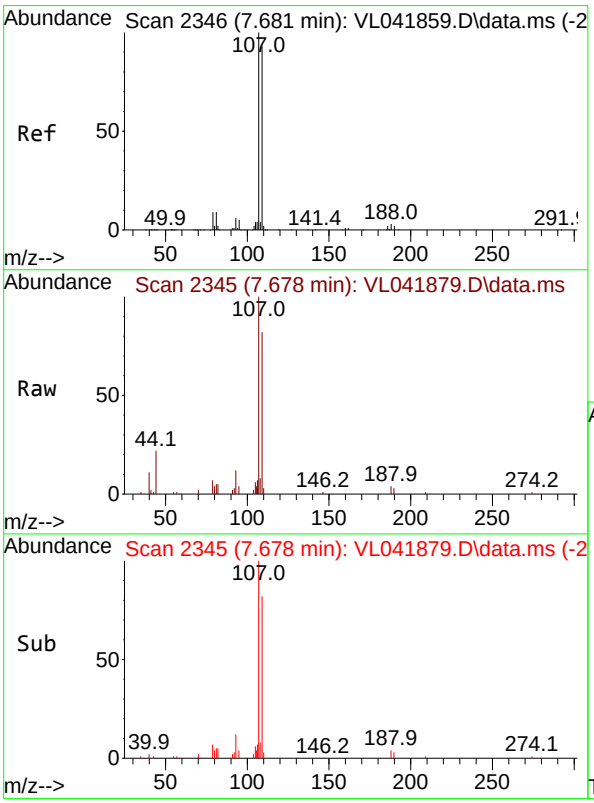
#53
Toluene
Concen: 0.443 ppbv
RT: 6.962 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 91 Resp: 22390

Ion	Ratio	Lower	Upper
91	100		
92	59.8	47.2	70.8

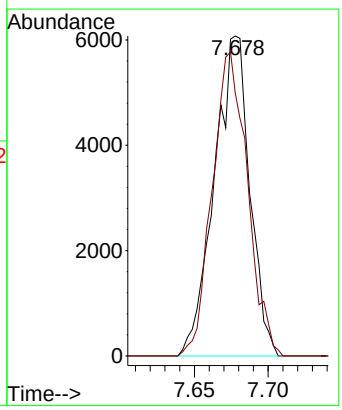


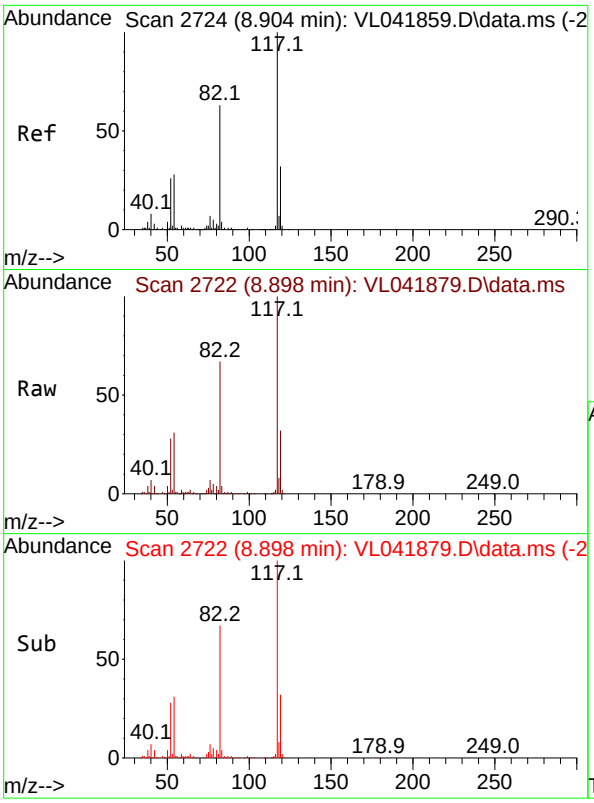


#54
1,2-Dibromoethane
Concen: 0.470 ppbv
RT: 7.678 min Scan# 2345
Delta R.T. -0.003 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion:107 Resp: 10163

Ion	Ratio	Lower	Upper
107	100		
109	82.4	74.6	112.0



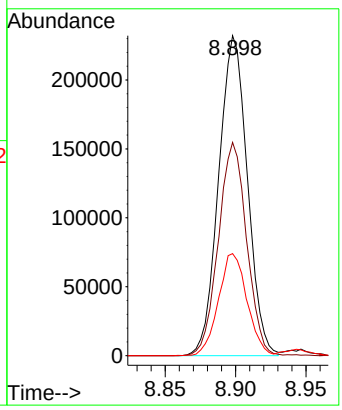


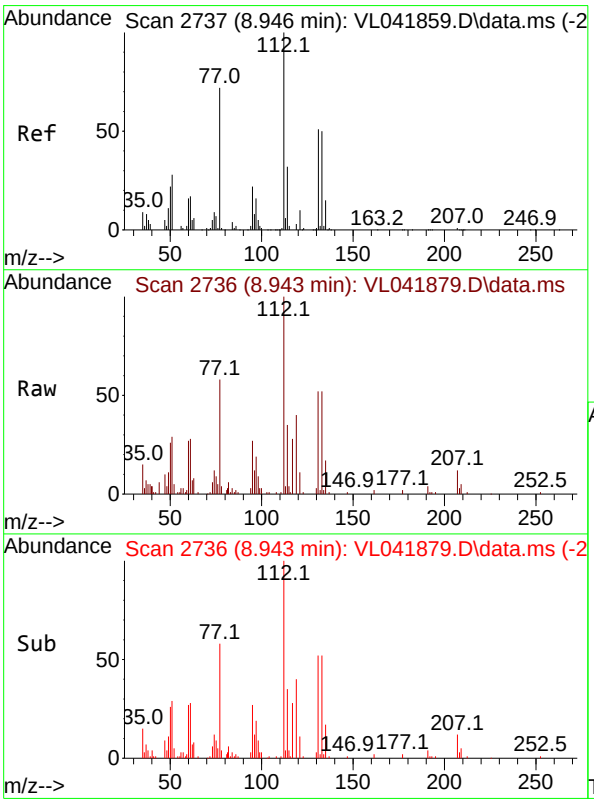
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion:117 Resp: 329631

Ion	Ratio	Lower	Upper
117	100		
82	65.7	54.5	81.7
119	32.1	24.6	37.0

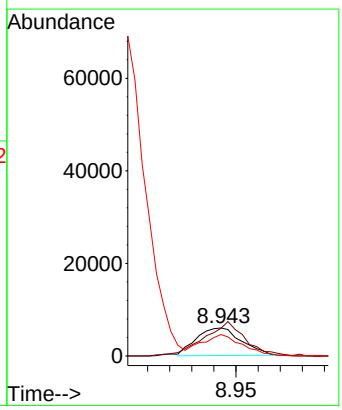


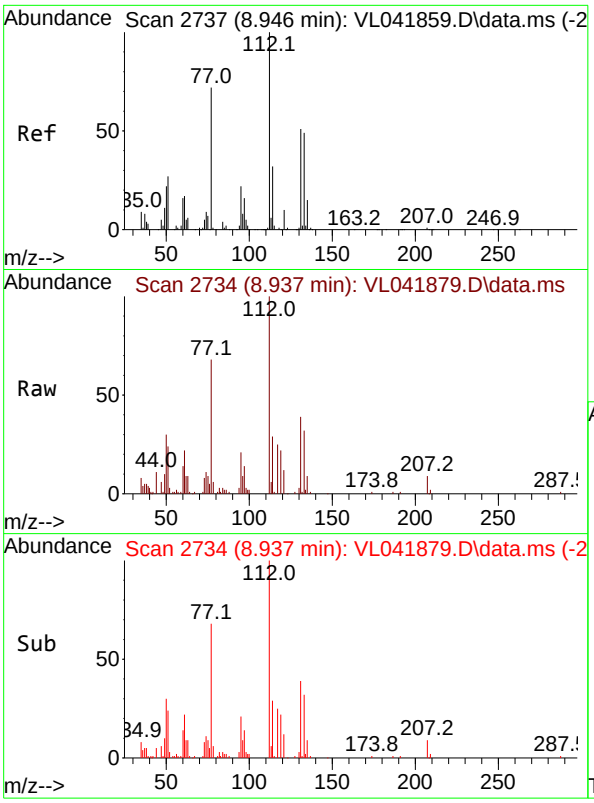


#56
1,1,1,2-Tetrachloroethane
Concen: 0.429 ppbv
RT: 8.943 min Scan# 2736
Delta R.T. -0.003 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion:131 Resp: 8421

Ion	Ratio	Lower	Upper
131	100		
133	114.8	77.4	116.2
119	50.5	49.4	74.0



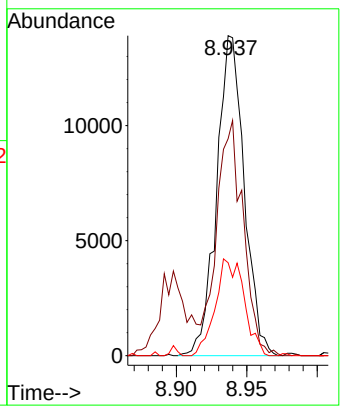


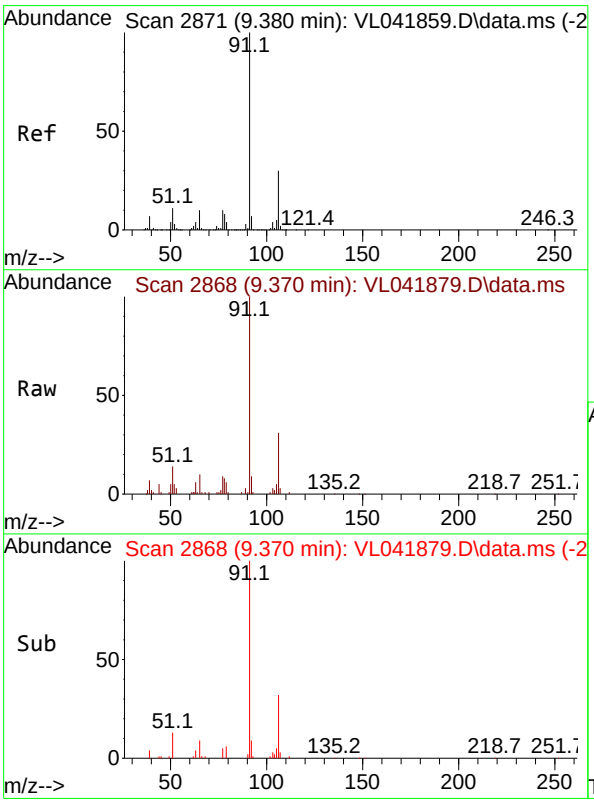
#57
Chlorobenzene
Concen: 0.515 ppbv
RT: 8.937 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion:112 Resp: 18928

Ion	Ratio	Lower	Upper
112	100		
77	67.2	58.3	87.5
114	29.0	28.9	35.3

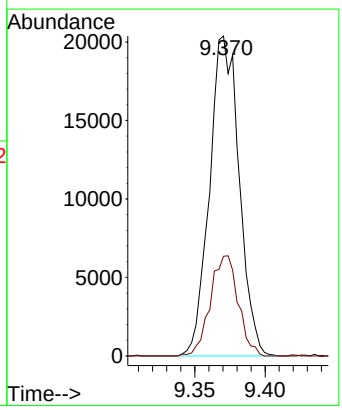


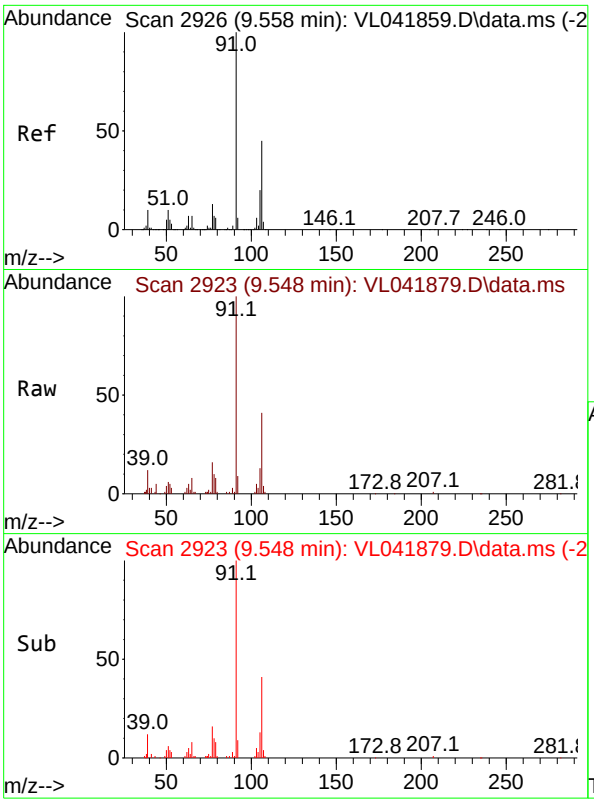


#58
Ethyl Benzene
Concen: 0.441 ppbv
RT: 9.370 min Scan# 2868
Delta R.T. -0.010 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion: 91 Resp: 29858

Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.2	36.2



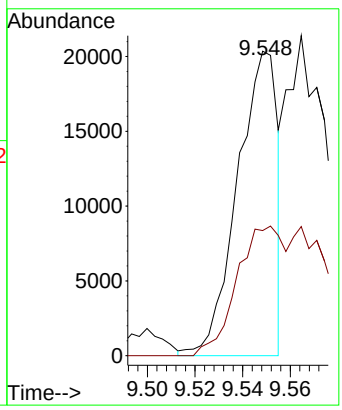


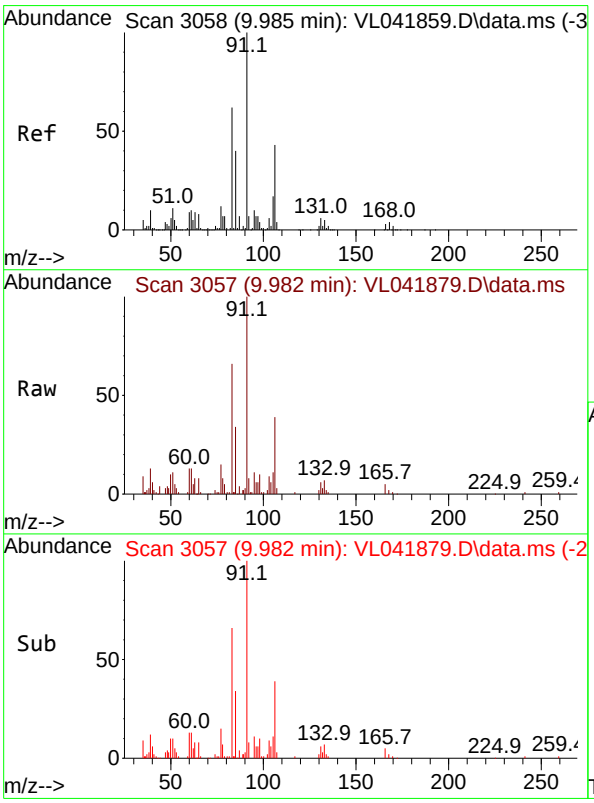
#59
m/p-Xylene
Concen: 0.444 ppbv
RT: 9.548 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 91 Resp: 23765

Ion	Ratio	Lower	Upper
91	100		
106	91.0	0.0	0.0#

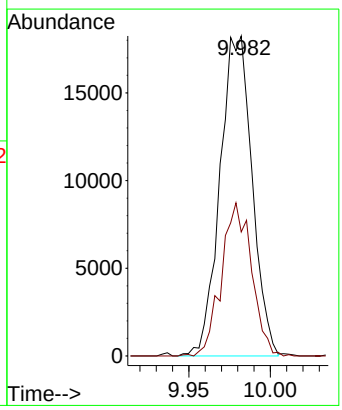


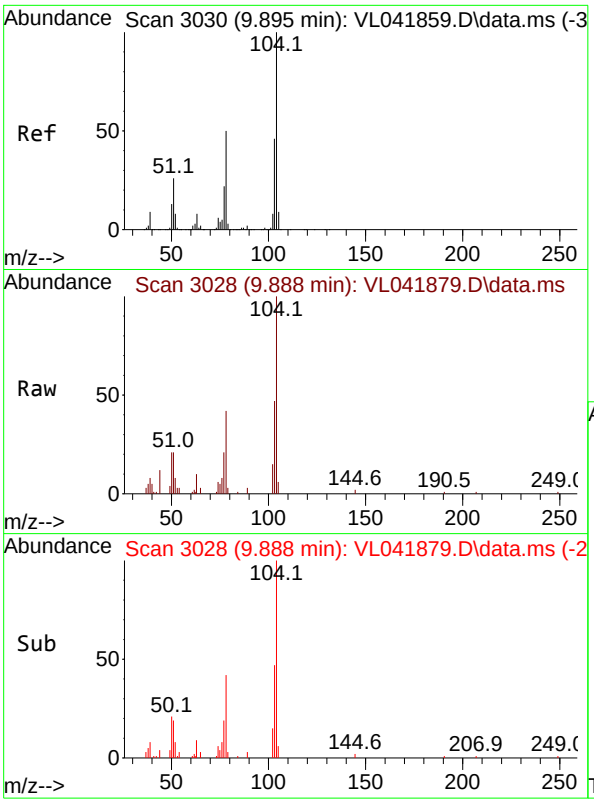


#60
o-Xylene
Concen: 0.468 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. -0.003 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion: 91 Resp: 24990

Ion	Ratio	Lower	Upper
91	100		
106	44.8	21.4	64.3



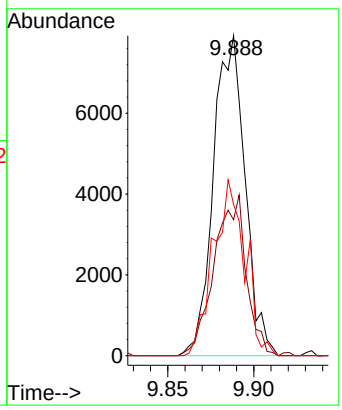


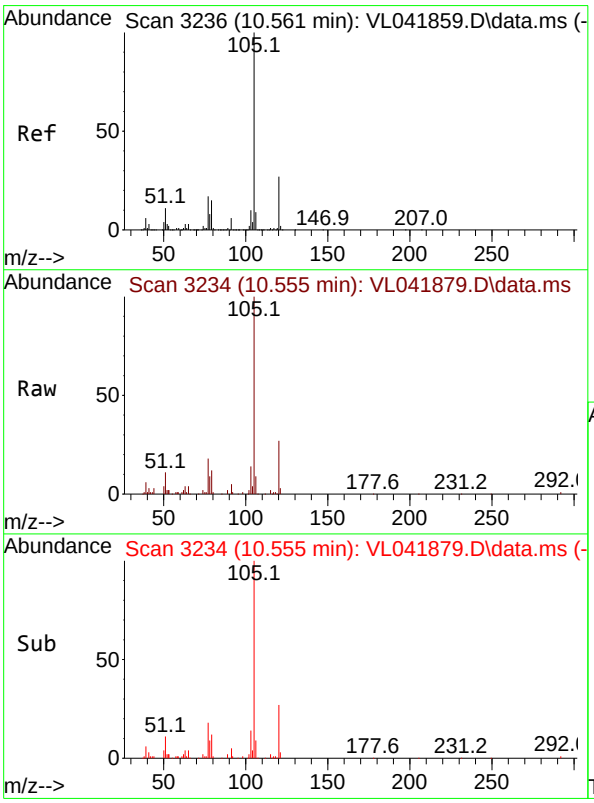
#61
Styrene
Concen: 0.379 ppbv
RT: 9.888 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion:104 Resp: 10124

Ion	Ratio	Lower	Upper
104	100		
78	50.9	40.7	61.1
103	54.9	37.0	55.6

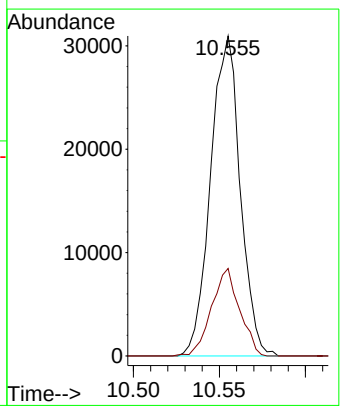


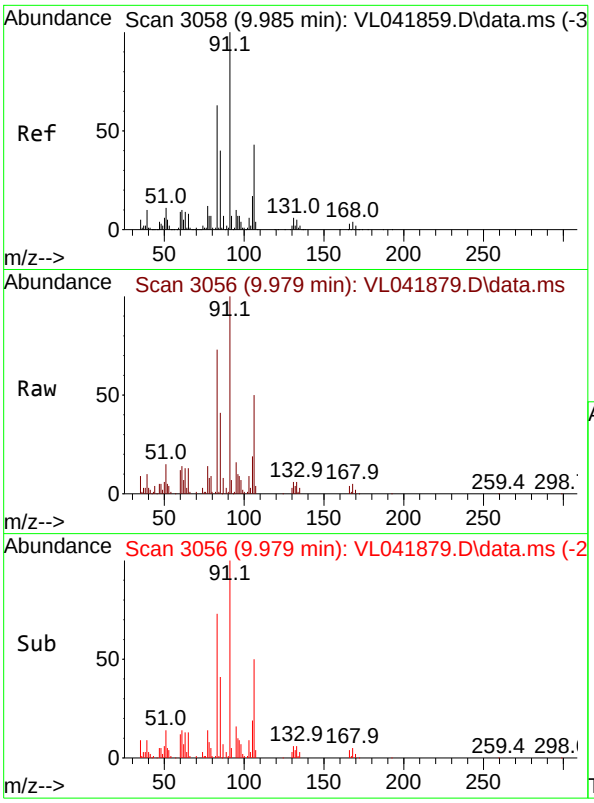


#62
Isopropylbenzene
Concen: 0.461 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion:105 Resp: 37087

Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.3	30.5



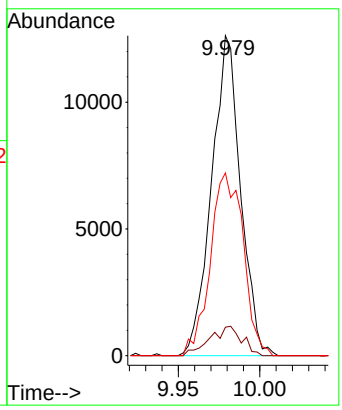


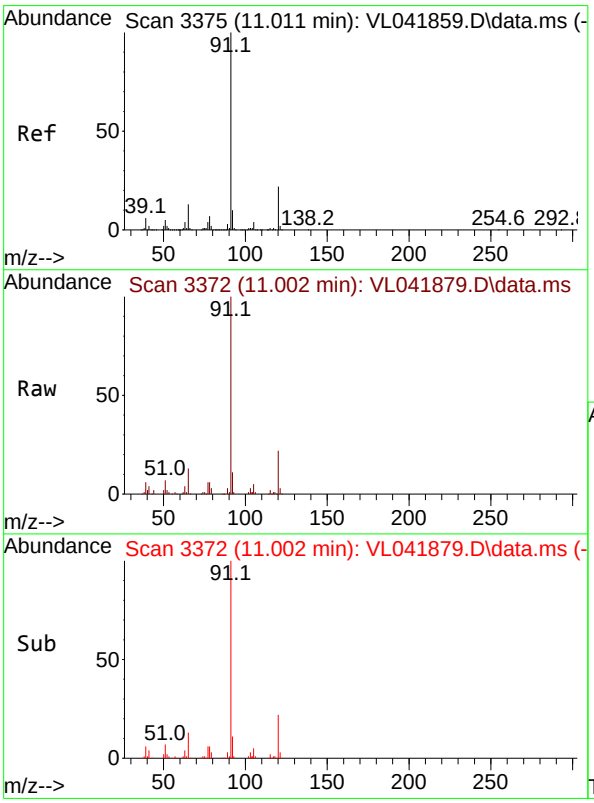
#63
1,1,2,2-Tetrachloroethane
Concen: 0.485 ppbv
RT: 9.979 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 83 Resp: 15575

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.8	14.3
85	64.8	32.1	96.3

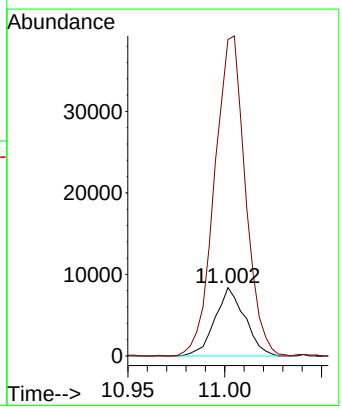


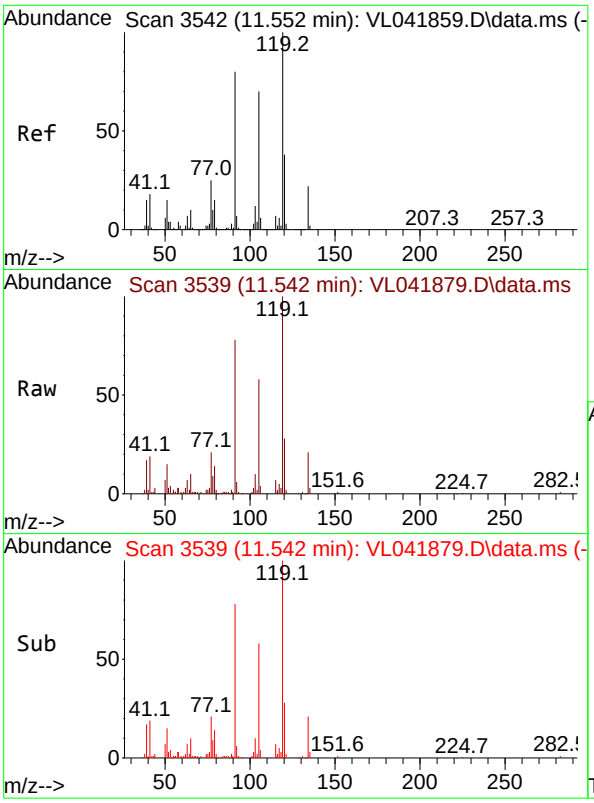


#64
n-propylbenzene
Concen: 0.430 ppbv
RT: 11.002 min Scan# 3372
Delta R.T. -0.010 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion:120 Resp: 9013

Ion	Ratio	Lower	Upper
120	100		
91	485.0	376.9	565.3



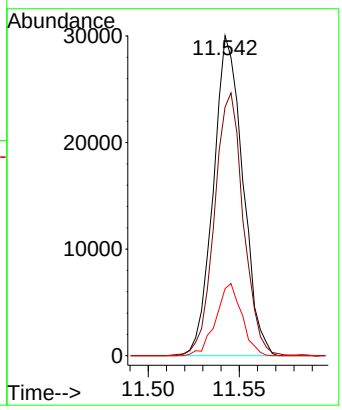


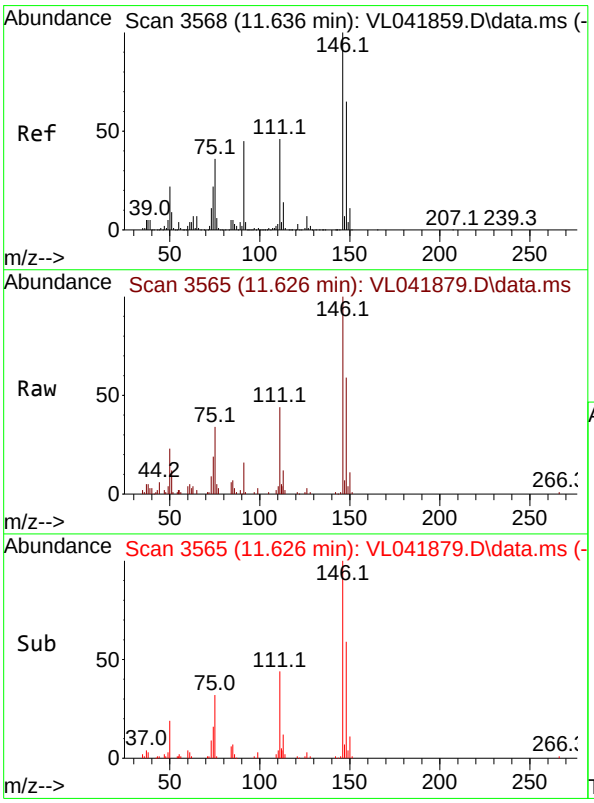
#65
tert-Butylbenzene
Concen: 0.463 ppbv
RT: 11.542 min Scan# 3
Delta R.T. -0.010 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion:119 Resp: 33710

Ion	Ratio	Lower	Upper
119	100		
91	80.5	64.6	97.0
134	19.9	16.9	25.3

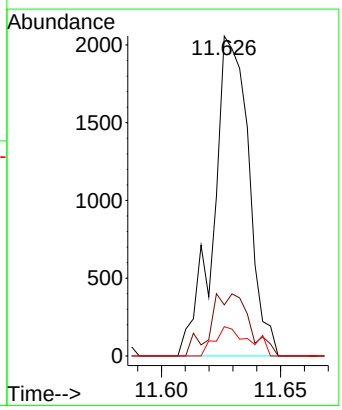


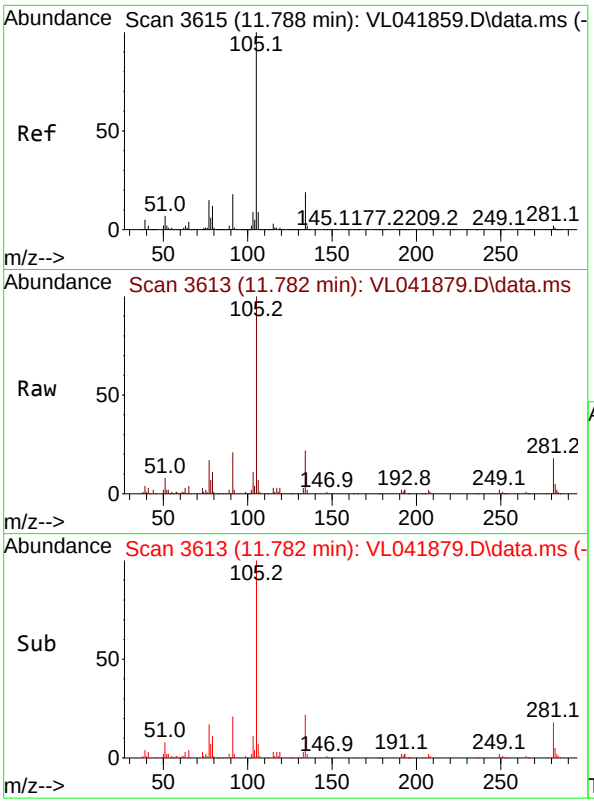


#66
Benzyl Chloride
Concen: 0.280 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. -0.010 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion: 91 Resp: 2114

Ion	Ratio	Lower	Upper
91	100		
126	21.8	13.9	20.9#
128	9.0	4.8	7.2#



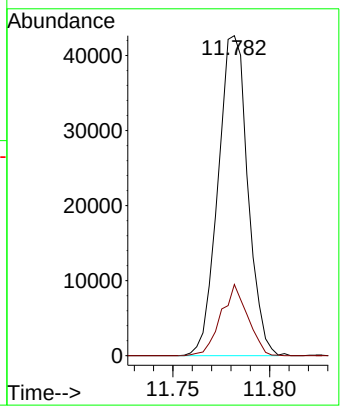


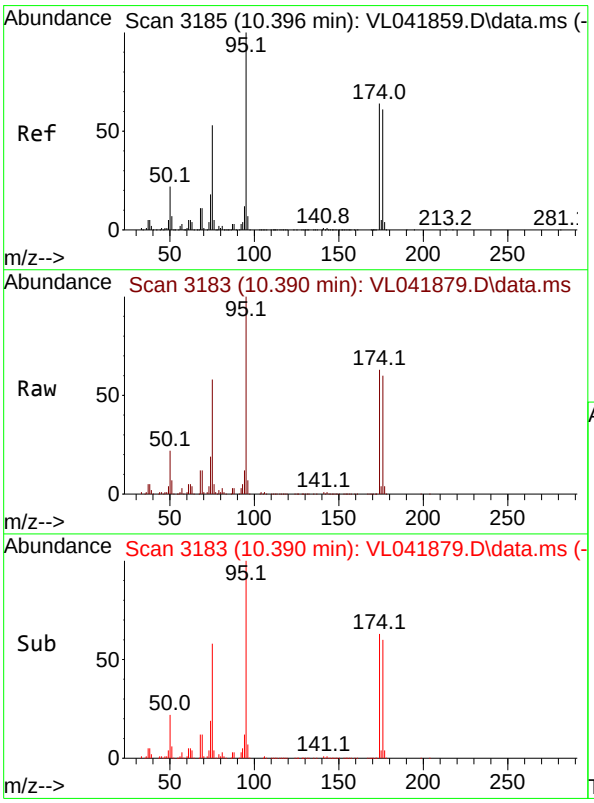
#67
sec-Butylbenzene
Concen: 0.455 ppbv
RT: 11.782 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion:105 Resp: 45602

Ion	Ratio	Lower	Upper
105	100		
134	20.1	15.4	23.2

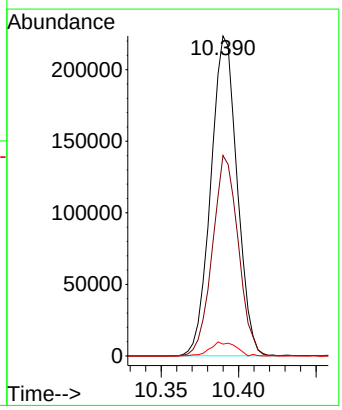


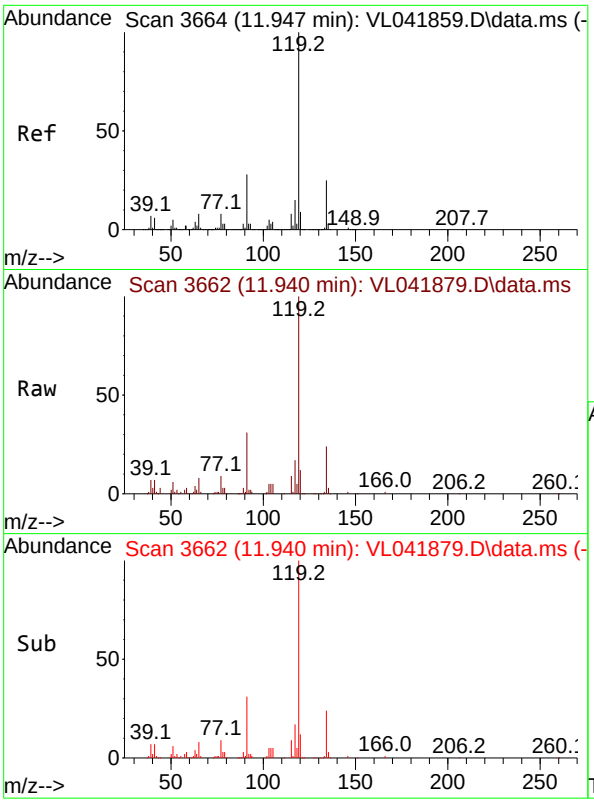


#68
1-Bromo-4-Fluorobenzene
Concen: 9.983 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion: 95 Resp: 263876

Ion	Ratio	Lower	Upper
95	100		
174	61.7	51.1	76.7
175	4.3	3.8	5.8



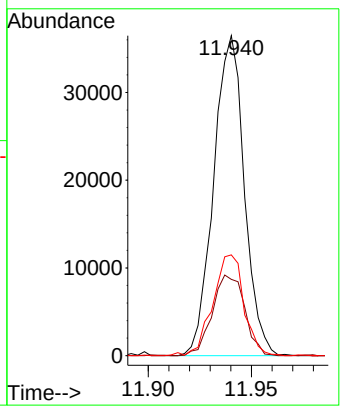


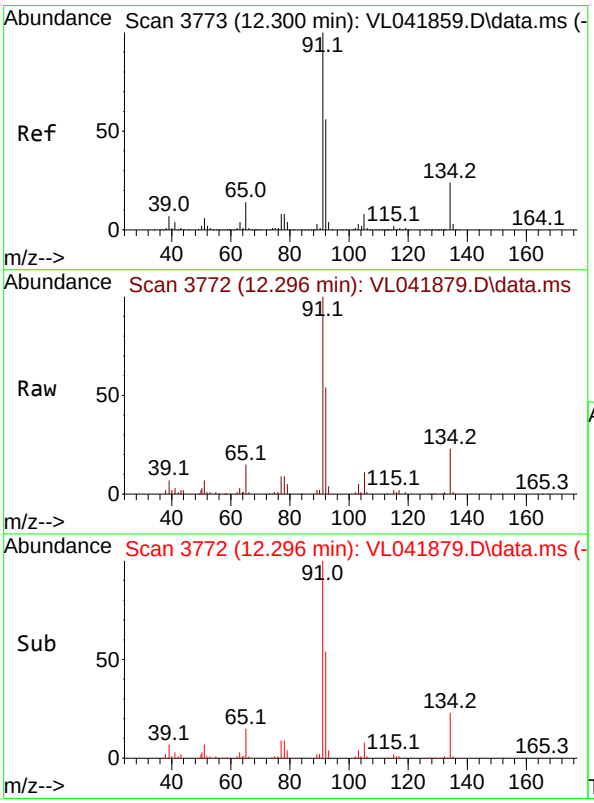
#69
p-Isopropyltoluene
Concen: 0.440 ppbv
RT: 11.940 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion:119 Resp: 37694

Ion	Ratio	Lower	Upper
119	100		
134	26.6	20.3	30.5
91	32.0	22.6	34.0

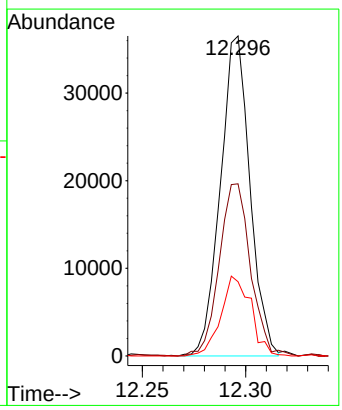


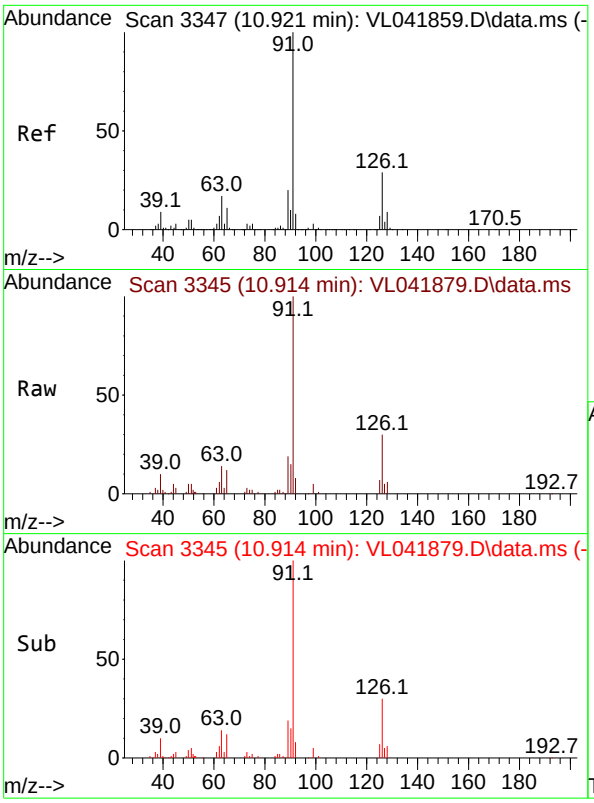


#70
n-Butylbenzene
Concen: 0.424 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. -0.003 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion: 91 Resp: 36383

Ion	Ratio	Lower	Upper
91	100		
92	57.5	43.8	65.8
134	25.4	19.3	28.9



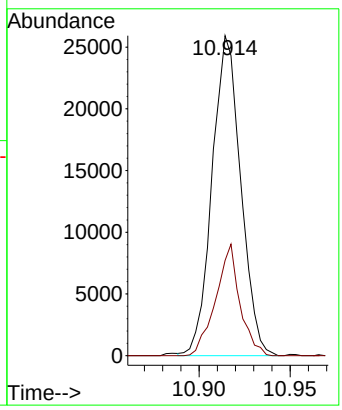


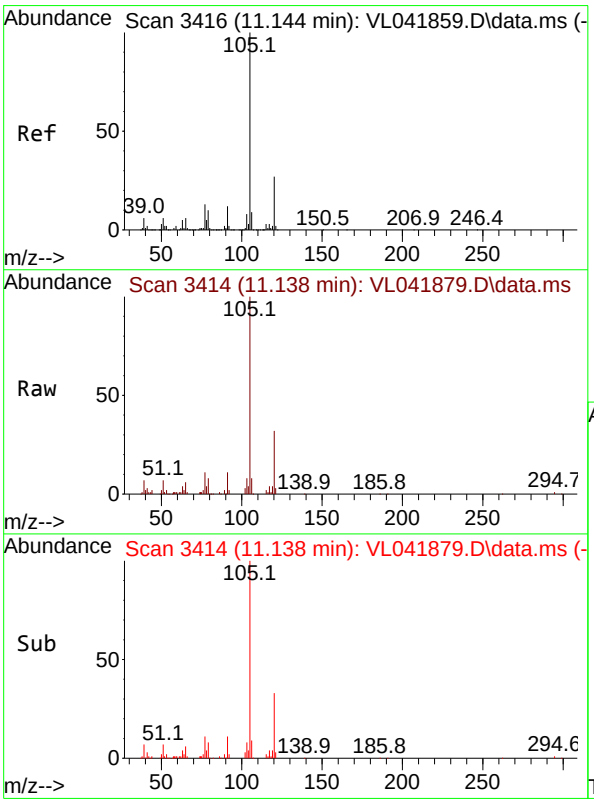
#71
2-Chlorotoluene
Concen: 0.456 ppbv
RT: 10.914 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion: 91 Resp: 28385

Ion	Ratio	Lower	Upper
91	100		
126	29.3	11.6	46.6

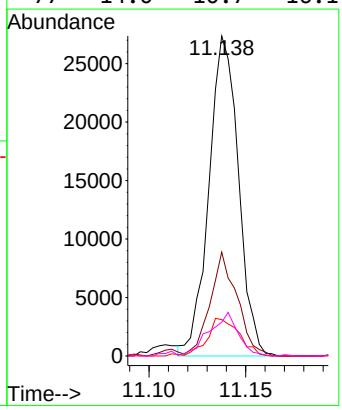


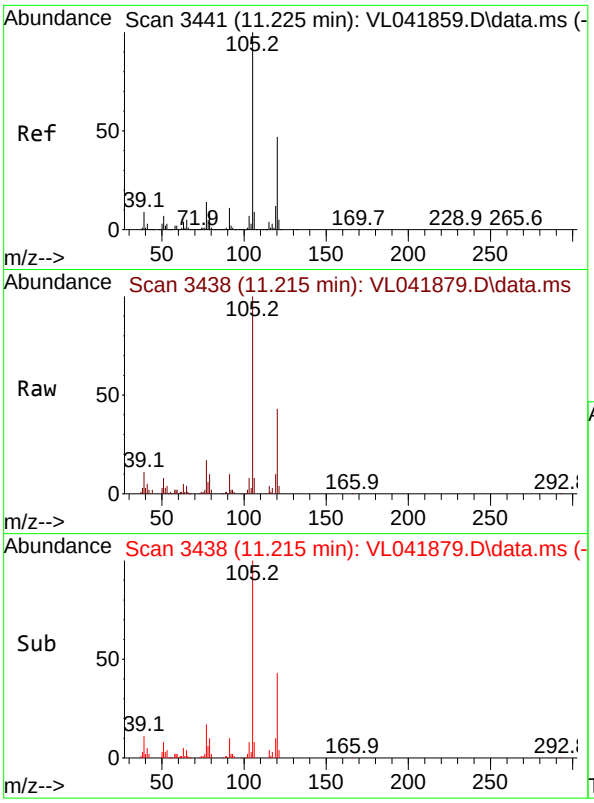


#72
4-Ethyltoluene
Concen: 0.443 ppbv
RT: 11.138 min Scan# 3414
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion:105 Resp: 29045

Ion	Ratio	Lower	Upper
105	100		
120	31.1	23.5	35.3
91	13.1	9.8	14.8
77	14.0	10.7	16.1



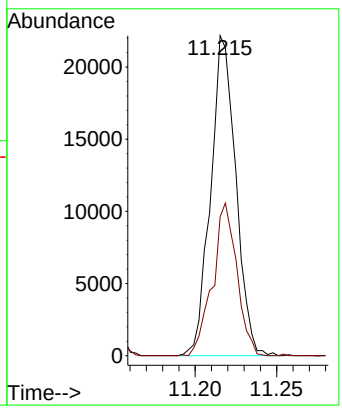


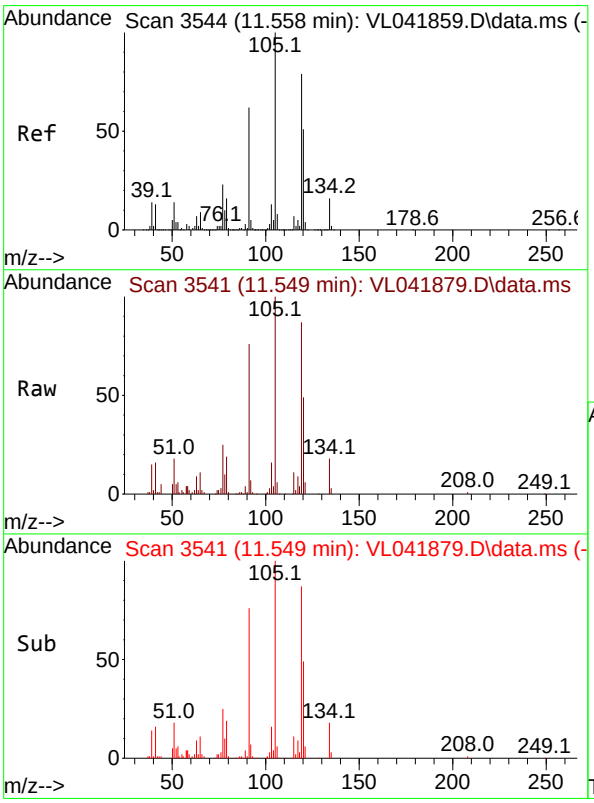
#73
1,3,5-Trimethylbenzene
Concen: 0.428 ppbv
RT: 11.215 min Scan# 34
Delta R.T. -0.010 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion:105 Resp: 23820

Ion	Ratio	Lower	Upper
105	100		
120	43.4	37.2	55.8

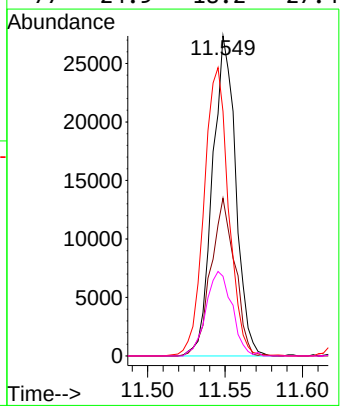


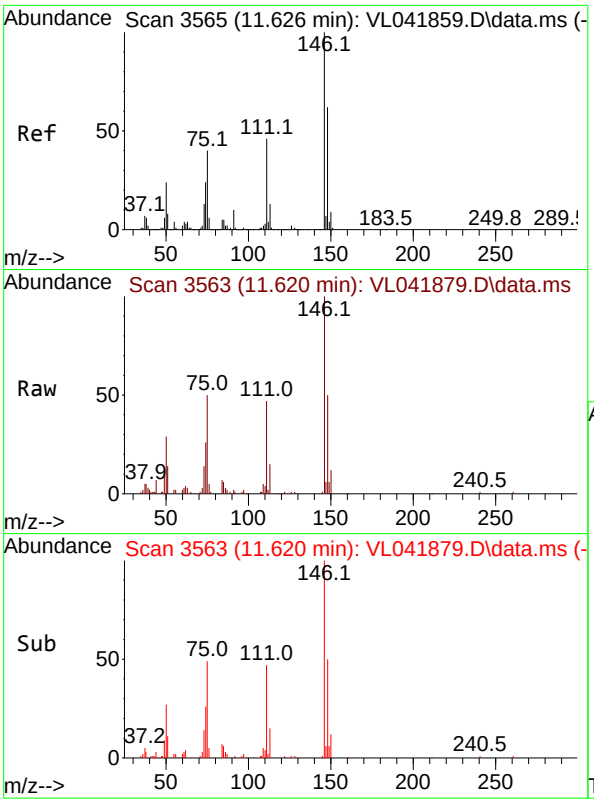


#74
1,2,4-Trimethylbenzene
Concen: 0.472 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. -0.010 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion:105 Resp: 28511

Ion	Ratio	Lower	Upper
105	100		
120	49.3	41.1	61.7
91	76.1	50.0	75.0#
77	24.9	18.2	27.4



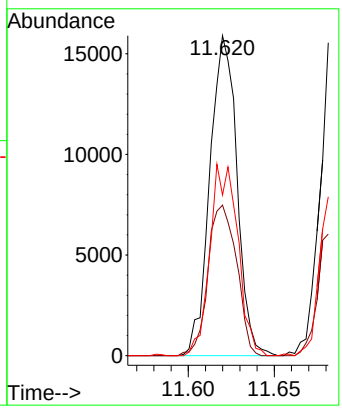


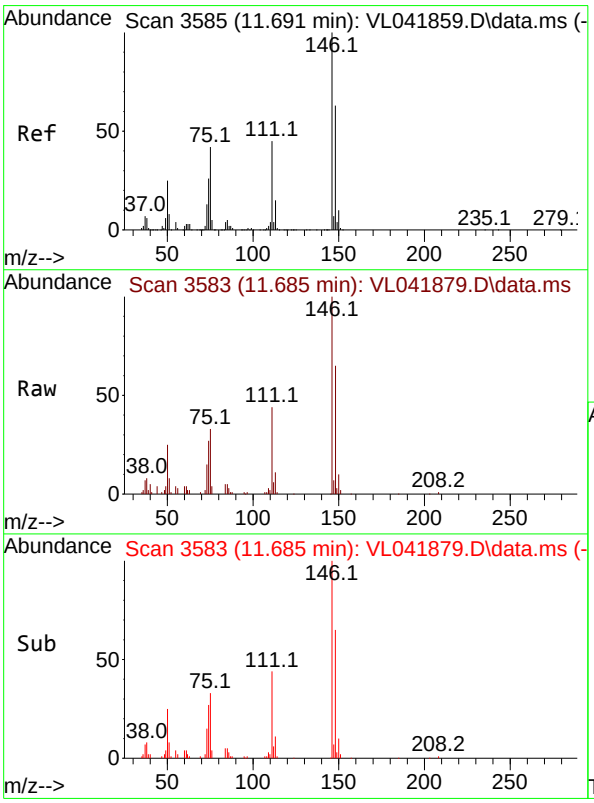
#75
1,3-Dichlorobenzene
Concen: 0.481 ppbv
RT: 11.620 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion:146 Resp: 17437

Ion	Ratio	Lower	Upper
146	100		
111	49.6	23.2	69.5
148	61.5	31.6	94.7

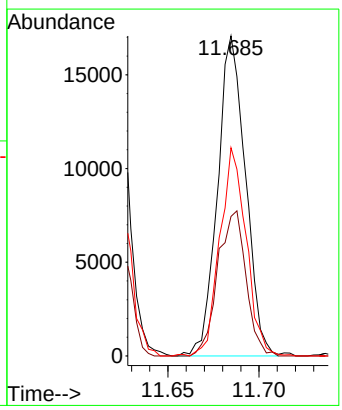


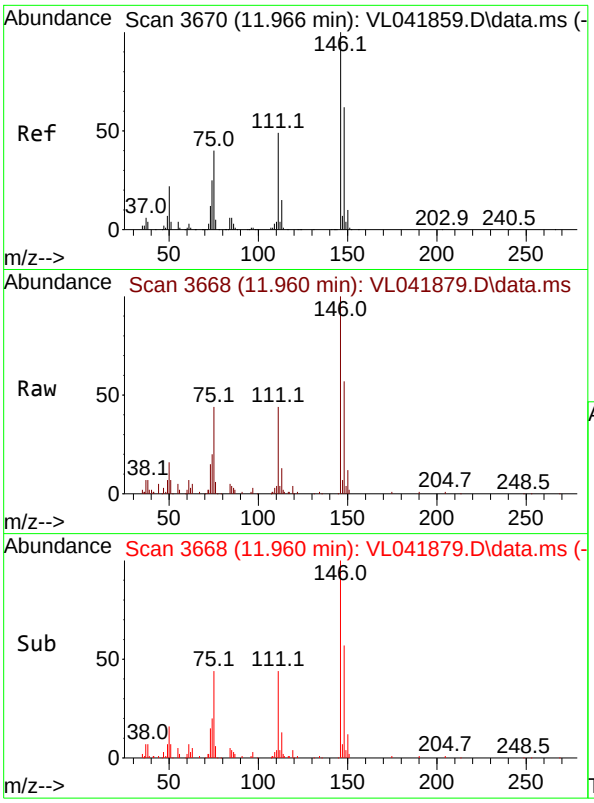


#76
1,4-Dichlorobenzene
Concen: 0.509 ppbv
RT: 11.685 min Scan# 3583
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion:146 Resp: 18243

Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.1	66.1
148	61.4	31.2	93.6



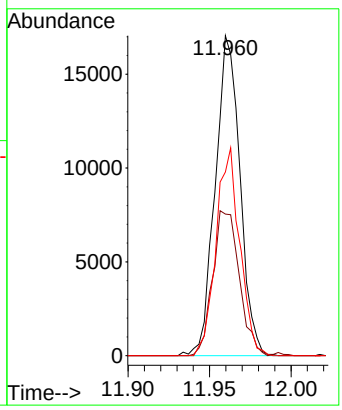


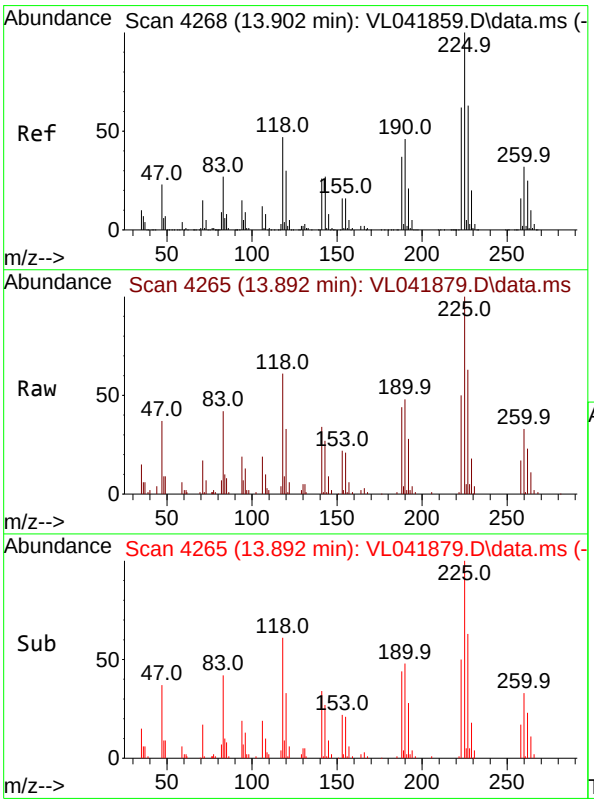
#77
1,2-Dichlorobenzene
Concen: 0.525 ppbv
RT: 11.960 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion:146 Resp: 17986

Ion	Ratio	Lower	Upper
146	100		
111	48.9	24.1	72.3
148	62.2	31.5	94.5

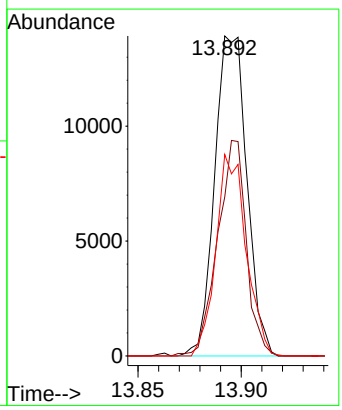


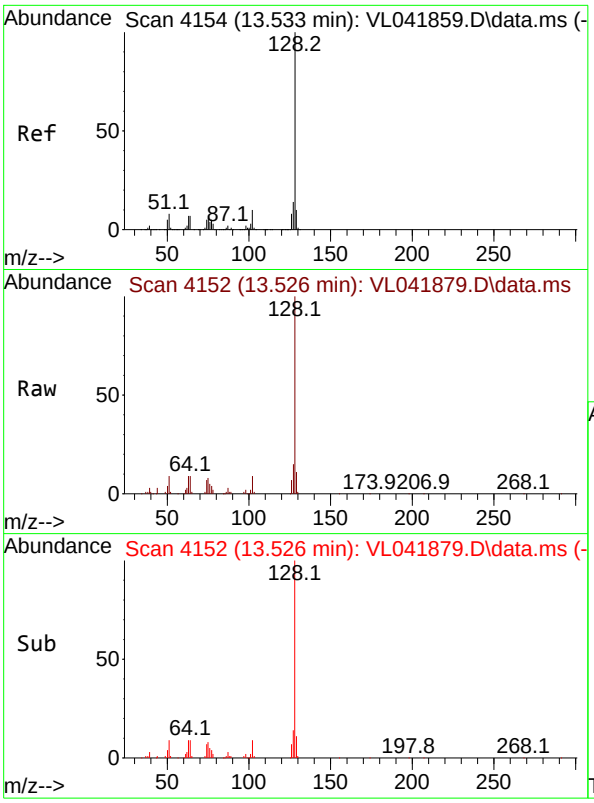


#78
Hexachloro-1,3-Butadiene
Concen: 0.514 ppbv
RT: 13.892 min Scan# 4265
Delta R.T. -0.010 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion:225 Resp: 15115

Ion	Ratio	Lower	Upper
225	100		
223	59.8	50.6	75.8
227	59.1	50.9	76.3



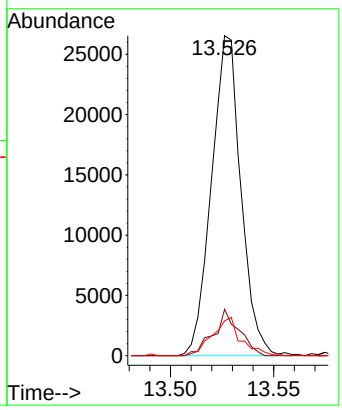


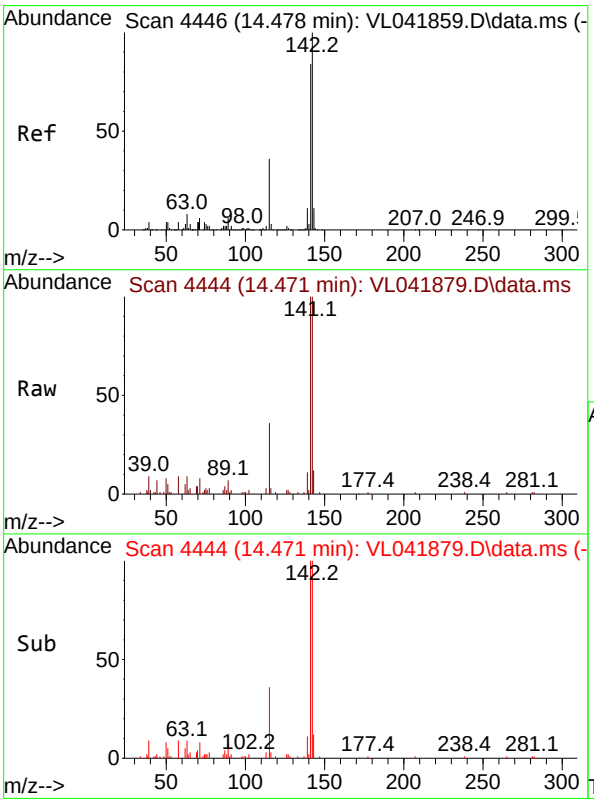
#79
Naphthalene
Concen: 0.403 ppbv
RT: 13.526 min Scan# 4
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion:128 Resp: 26258

Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.8	16.2
129	10.9	8.2	12.4

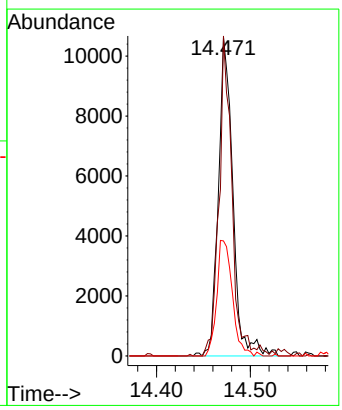


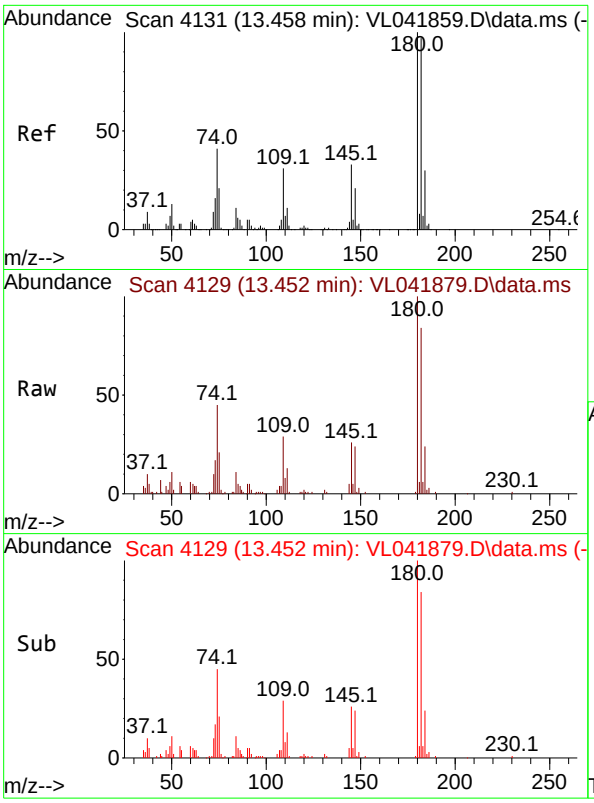


#80
Naphthalene,2-methyl-
Concen: 0.325 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Tgt Ion:142 Resp: 11408

Ion	Ratio	Lower	Upper
142	100		
141	91.7	68.2	102.4
115	39.2	29.4	44.2





#81
1,2,4-Trichlorobenzene
Concen: 0.480 ppbv
RT: 13.452 min Scan# 4
Delta R.T. -0.006 min
Lab File: VL041879.D
Acq: 09 Jan 2025 22:17

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Tgt Ion:180 Resp: 14876

Ion	Ratio	Lower	Upper
180	100		
182	91.8	75.8	113.8
184	28.6	24.1	36.1