Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
Data File : VL041875.D
Acq On : 09 Jan 2025 20:16
Operator : SY/MD
Sample : Q1037-03DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Quant Time: Jan 10 01:47:43 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	116632	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	351417	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	317385	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	254476	9.999	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	8535	0.446	ppbv	98
3) Chlorodifluoromethane	1.479	51	7260	0.345	ppbv	97
4) Chloromethane	1.538	50	3426	0.460	ppbv	92
5) Vinyl Chloride	1.593	62	26	0.003	ppbv #	45
6) Bromomethane	1.677	94	111	0.030	ppbv #	3
7) Chloroethane	1.703	64	24	0.008	ppbv #	1
8) Dichlorotetrafluoroethane	1.557	85	284	0.017	ppbv	97
9) Propene	1.492	41	3257	0.332	ppbv	85
10) Heptane	5.007	43	354	0.014	ppbv #	27
11) Trichlorofluoromethane	1.884	101	4646	0.236	ppbv	86
12) 1,1,2-Trichlorotrifluo...	2.146	101	1106	0.069	ppbv	96
13) Ethanol	1.729	45	38646	62.002	ppbv	87
14) Bromoethene	1.852	108	90	0.016	ppbv #	1
15) Acetone	1.842	43	39483	2.007	ppbv	93
16) 1,3-Butadiene	1.606	39	720	0.085	ppbv #	81
17) tert-Butyl alcohol	2.052	59	416	0.019	ppbv #	1
18) 1,1-Dichloroethene	2.042	96	37	0.005	ppbv #	1
19) Isopropyl Alcohol	1.729	45	38646	3.738	ppbv #	43
20) Methylene Chloride	2.072	84	7905	1.178	ppbv	88
21) Allyl Chloride	2.110	41	209	0.017	ppbv #	21
22) trans-1,2-Dichloroethene	2.369	96	18	0.002	ppbv #	1
23) Vinyl Acetate	2.486	43	3663	0.367	ppbv #	55
24) 1,1-Dichloroethane	2.415	63	53	0.003	ppbv #	88
25) Ethyl Acetate	2.871	43	195	0.004	ppbv #	1
26) Hexane	2.839	57	6270	0.312	ppbv #	39
27) Carbon Disulfide	2.162	76	117	0.006	ppbv #	1
28) Methyl tert-Butyl Ether	2.454	73	92	0.006	ppbv #	1
29) Chloroform	2.865	83	864	0.031	ppbv	99
30) Cyclohexane	3.874	84	365	0.021	ppbv #	1
31) cis-1,2-Dichloroethene	2.780	61	35	0.002	ppbv #	24
32) 1,1,1-Trichloroethane	3.389	97	56	0.002	ppbv #	22
34) 2-Butanone	2.577	43	2930	0.100	ppbv	92
35) Carbon Tetrachloride	3.781	117	997	0.037	ppbv #	63
36) Benzene	3.674	78	4802	0.118	ppbv #	91
37) 1,2-Dichloroethane	3.237	62	246	0.012	ppbv #	80
38) Trichloroethene	4.674	130	27	0.002	ppbv #	3
39) 1,2-Dichloropropane	3.978	63	86849	5.988	ppbv #	23
40) 1,4-Dioxane	4.606	88	24	0.003	ppbv #	1
41) Tetrahydrofuran	3.065	42	48	0.003	ppbv #	37
42) Bromodichloromethane	4.531	83	41	0.001	ppbv #	26
43) Methyl Methacrylate	4.900	69	41	0.002	ppbv #	1
44) 2,2,4-Trimethylpentane	4.667	57	375	0.005	ppbv #	43
45) t-1,3-Dichloropropene	6.338	75	38	0.002	ppbv #	45

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
Data File : VL041875.D
Acq On : 09 Jan 2025 20:16
Operator : SY/MD
Sample : Q1037-03DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Quant Time: Jan 10 01:47:43 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	5.548	75	35	0.002	ppbv	#	81
47) 1,1,2-Trichloroethane	6.784	97	44	0.003	ppbv	#	15
48) Dibromochloromethane	7.014	129	25	0.001	ppbv	#	10
49) Bromoform	9.487	173	61	0.003	ppbv	#	64
50) 4-Methyl-2-Pentanone	5.794	43	36	0.001	ppbv	#	38
51) 2-Hexanone	7.451	43	76	0.002	ppbv	#	28
52) Tetrachloroethene	8.212	164	22	0.001	ppbv	#	1
53) Toluene	6.959	91	798	0.016	ppbv	#	1
54) 1,2-Dibromoethane	7.444	107	25	0.001	ppbv	#	3
56) 1,1,1,2-Tetrachloroethane	9.179	131	29	0.002	ppbv	#	8
57) Chlorobenzene	8.982	112	26	0.001	ppbv	#	22
58) Ethyl Benzene	9.367	91	694	0.011	ppbv		98
59) m/p-Xylene	9.555	91	1150	0.022	ppbv	#	100
60) o-Xylene	9.985	91	601	0.012	ppbv		86
61) Styrene	9.891	104	127	0.005	ppbv	#	63
62) Isopropylbenzene	10.545	105	200	0.003	ppbv	#	28
63) 1,1,2,2-Tetrachloroethane	9.988	83	36	0.001	ppbv	#	25
64) n-propylbenzene	11.002	120	32	0.002	ppbv	#	1
65) tert-Butylbenzene	11.539	119	169	0.002	ppbv	#	1
66) Benzyl Chloride	11.642	91	52	0.007	ppbv	#	66
67) sec-Butylbenzene	11.778	105	186	0.002	ppbv	#	57
69) p-Isopropyltoluene	11.940	119	365	0.004	ppbv	#	71
70) n-Butylbenzene	12.299	91	58	0.001	ppbv	#	32
71) 2-Chlorotoluene	10.882	91	63	0.001	ppbv	#	46
72) 4-Ethyltoluene	11.137	105	106	0.002	ppbv	#	56
73) 1,3,5-Trimethylbenzene	11.218	105	241	0.005	ppbv	#	48
74) 1,2,4-Trimethylbenzene	11.552	105	1285	0.022	ppbv	#	62
75) 1,3-Dichlorobenzene	11.620	146	29	0.001	ppbv	#	24
76) 1,4-Dichlorobenzene	11.697	146	81	0.002	ppbv	#	41
77) 1,2-Dichlorobenzene	11.966	146	57	0.002	ppbv	#	30
79) Naphthalene	13.529	128	850	0.014	ppbv	#	85
80) Naphthalene,2-methyl-	14.474	142	209	0.006	ppbv	#	48
81) 1,2,4-Trichlorobenzene	13.455	180	280	0.009	ppbv	#	62

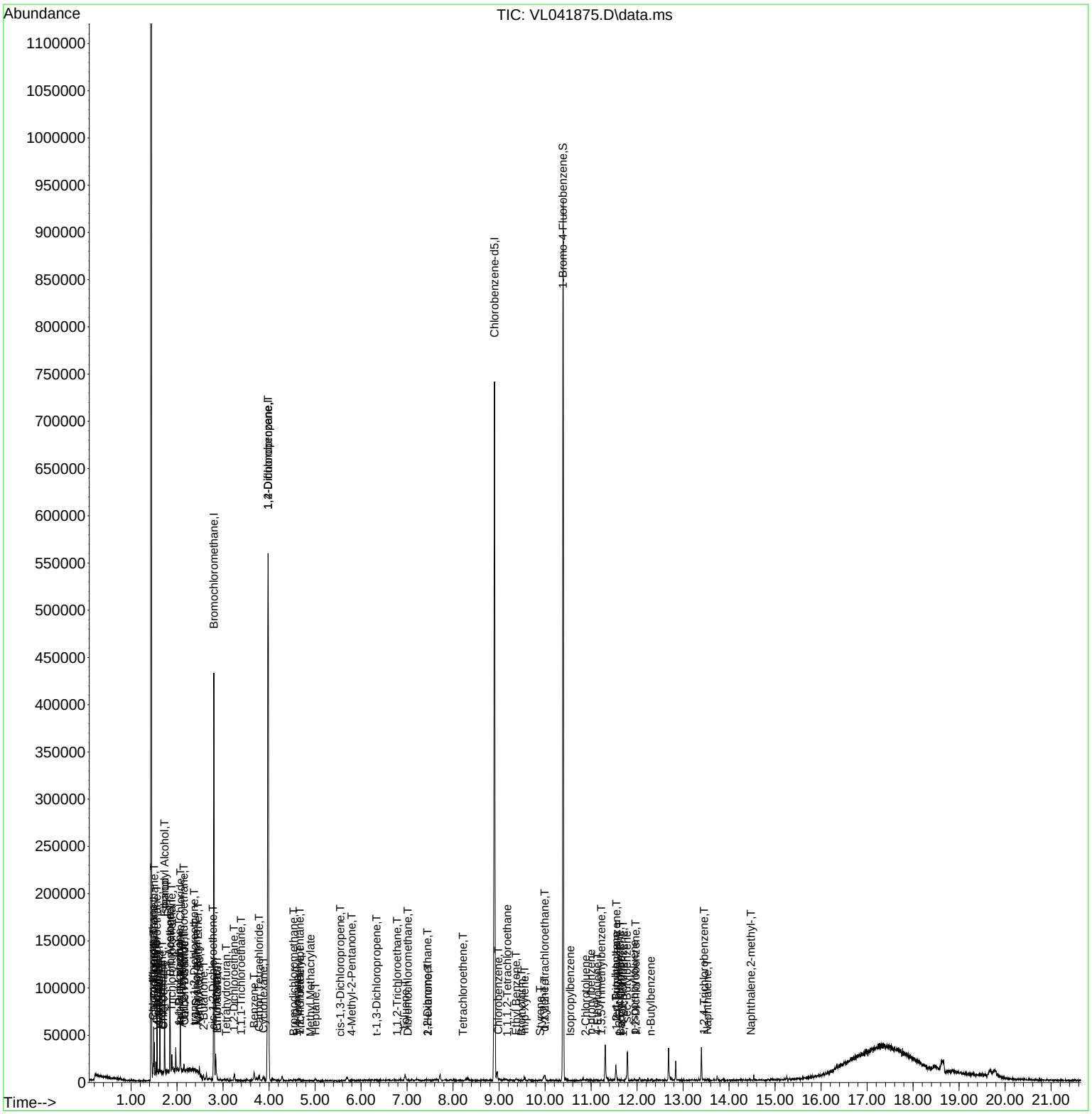
(#) = qualifier out of range (m) = manual integration (+) = signals summed

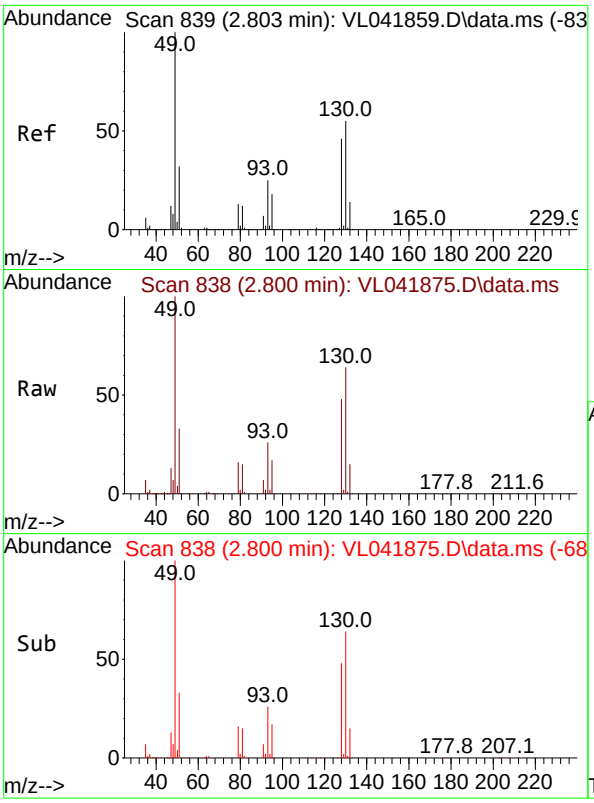
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
Data File : VL041875.D
Acq On : 09 Jan 2025 20:16
Operator : SY/MD
Sample : Q1037-03DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Quant Time: Jan 10 01:47:43 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



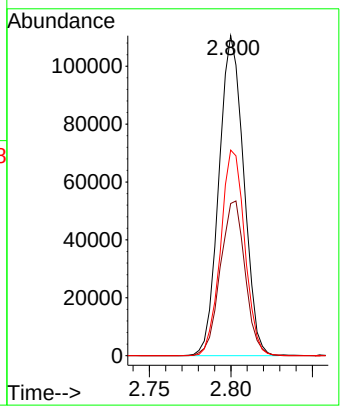


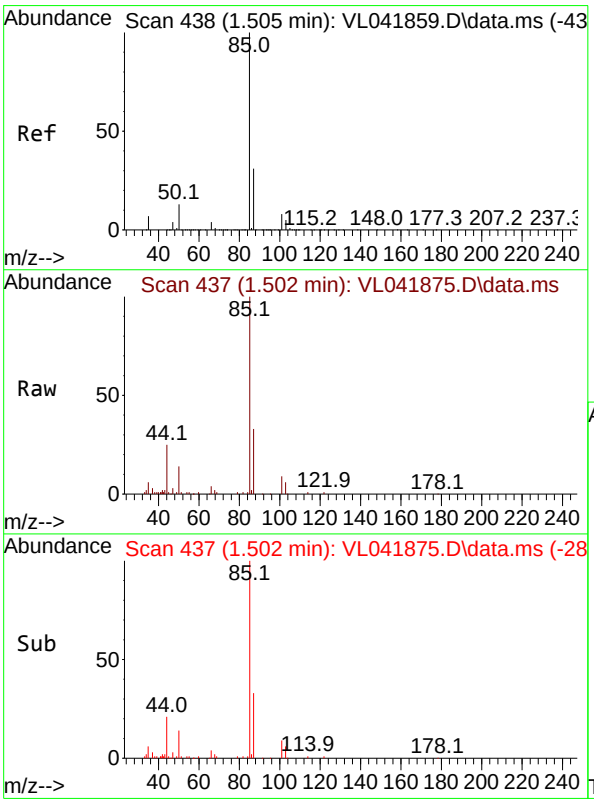
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion: 49 Resp: 116632

Ion	Ratio	Lower	Upper
49	100		
128	48.4	23.2	69.5
130	62.7	29.9	89.8

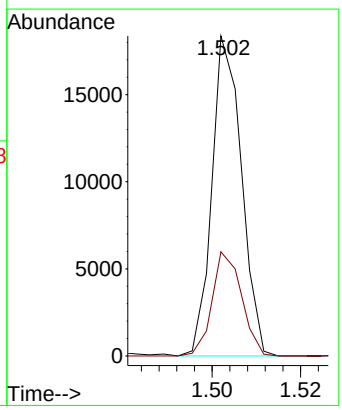


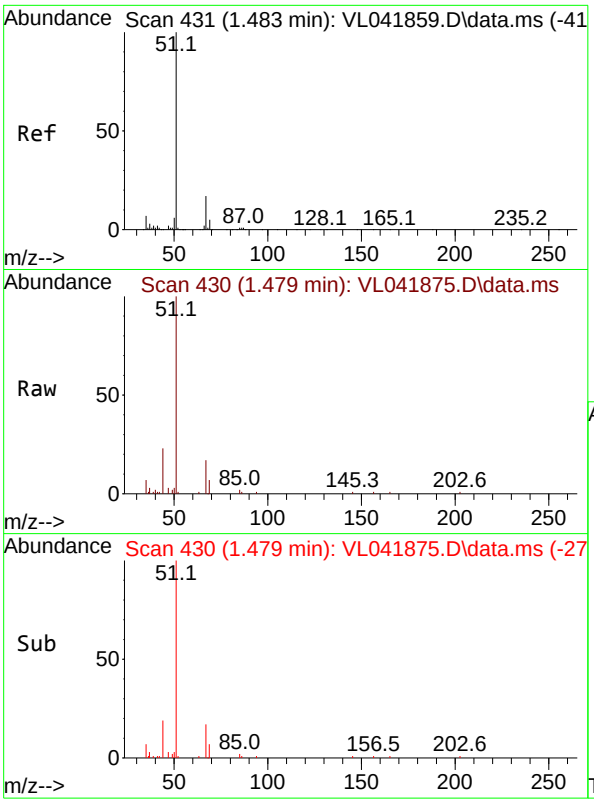


#2
Dichlorodifluoromethane
Concen: 0.446 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion: 85 Resp: 8535

Ion	Ratio	Lower	Upper
85	100		
87	32.5	25.2	37.8



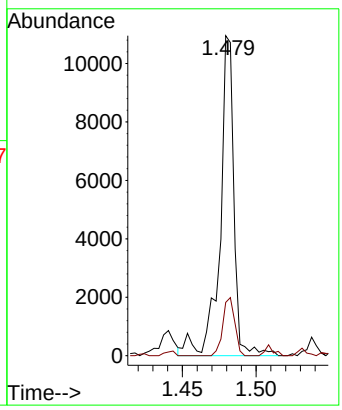


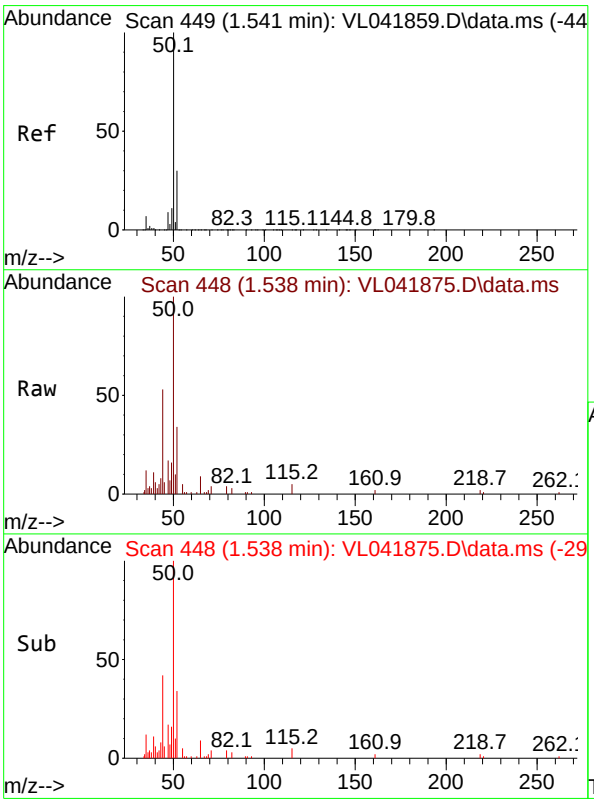
#3
Chlorodifluoromethane
Concen: 0.345 ppbv
RT: 1.479 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion: 51 Resp: 7260

Ion	Ratio	Lower	Upper
51	100		
67	15.8	13.8	20.8

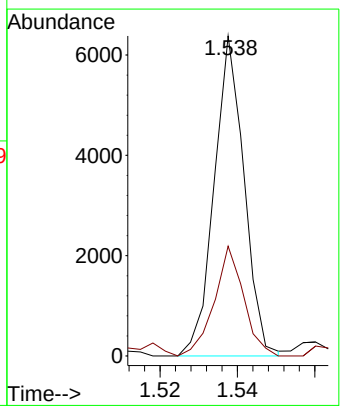


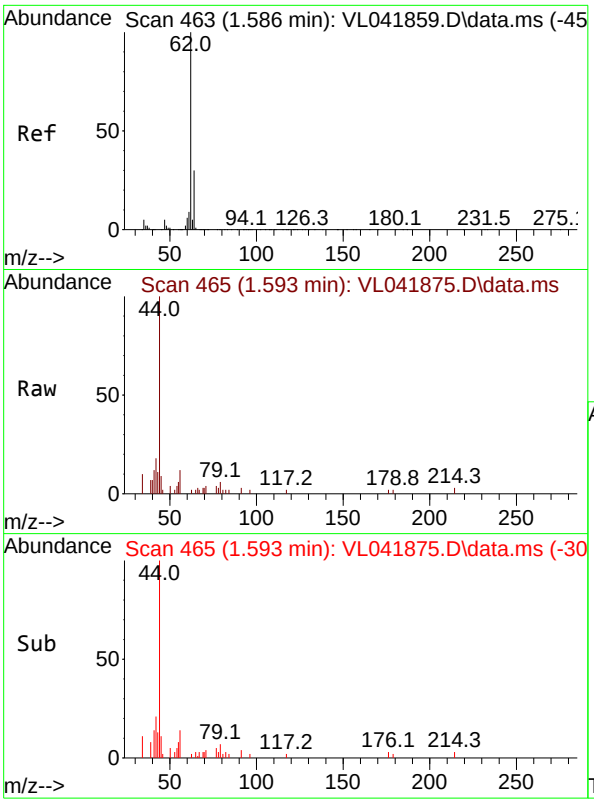


#4
Chloromethane
Concen: 0.460 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion: 50 Resp: 3426

Ion	Ratio	Lower	Upper
50	100		
52	34.3	23.9	35.9



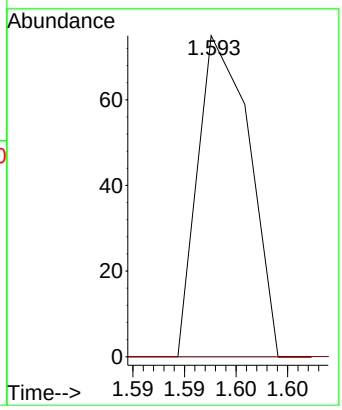


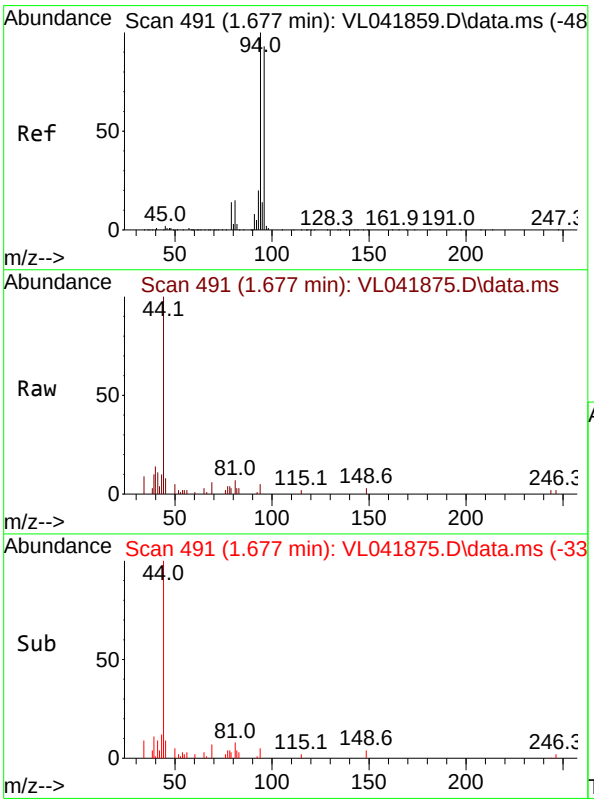
#5
Vinyl Chloride
Concen: 0.003 ppbv
RT: 1.593 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion: 62 Resp: 26

Ion	Ratio	Lower	Upper
62	100		
64	0.0	24.1	36.1#

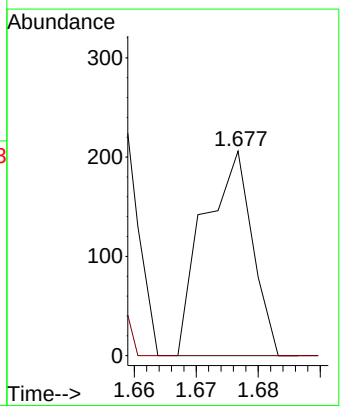


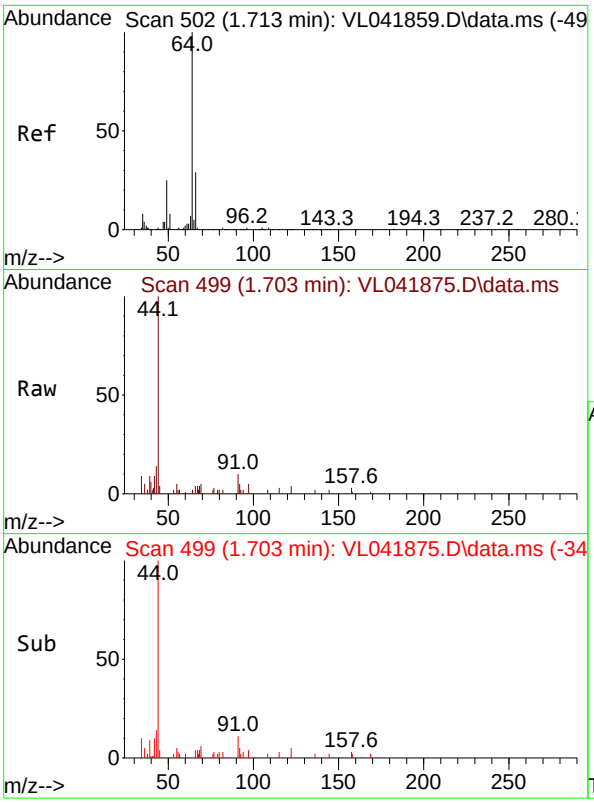


#6
Bromomethane
Concen: 0.030 ppbv
RT: 1.677 min Scan# 491
Delta R.T. -0.000 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion: 94 Resp: 111

Ion	Ratio	Lower	Upper
94	100		
96	0.0	74.8	112.2#



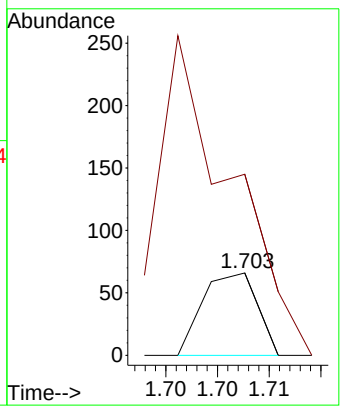


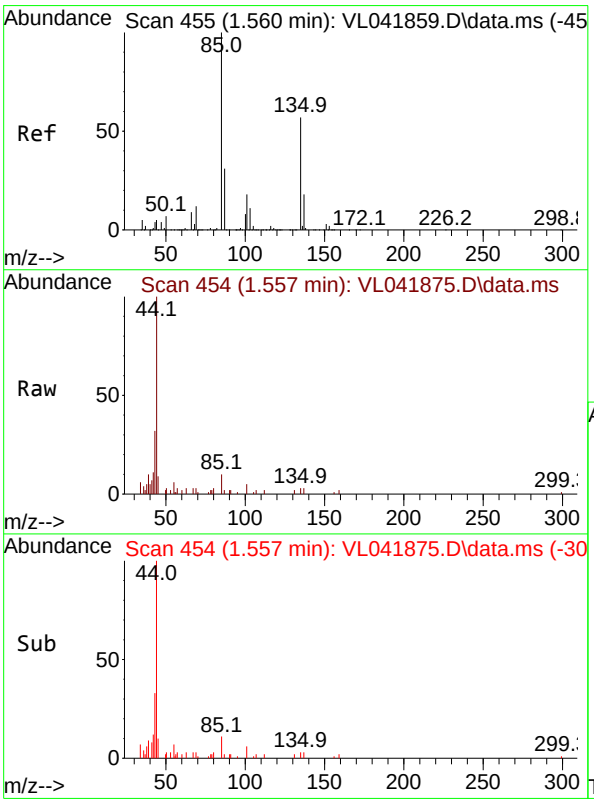
#7
Chloroethane
Concen: 0.008 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion: 64 Resp: 24

Ion	Ratio	Lower	Upper
64	100		
66	219.7	23.0	34.6#

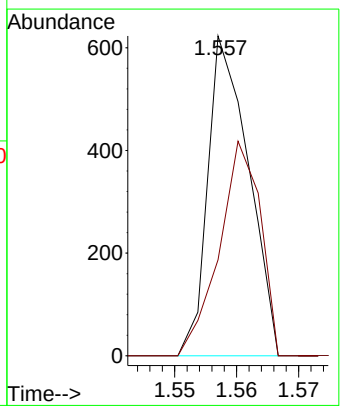


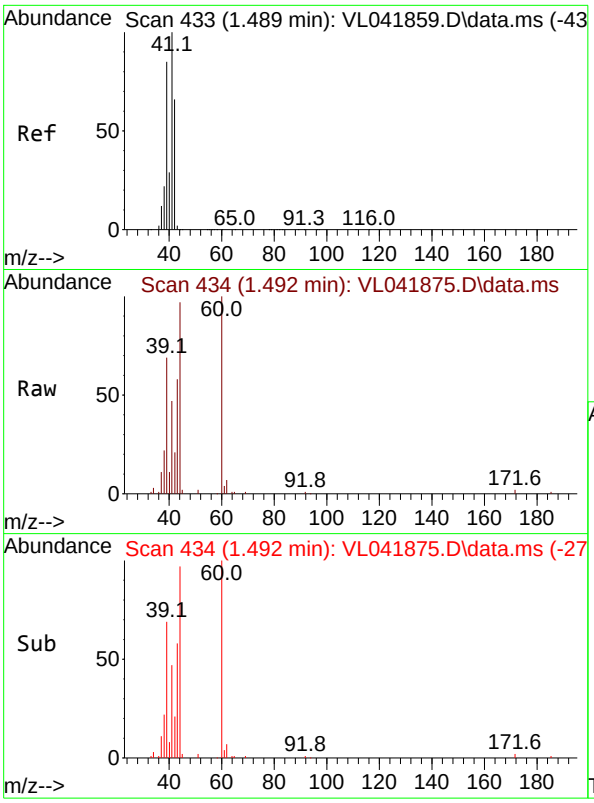


#8
Dichlorotetrafluoroethane
Concen: 0.017 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion: 85 Resp: 284

Ion	Ratio	Lower	Upper
85	100		
135	67.6	52.2	78.4



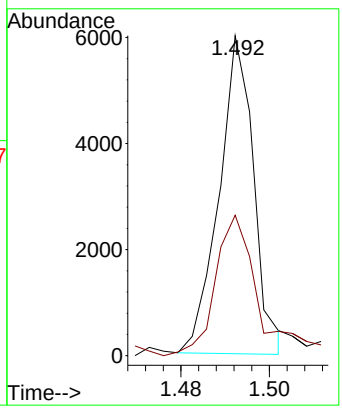


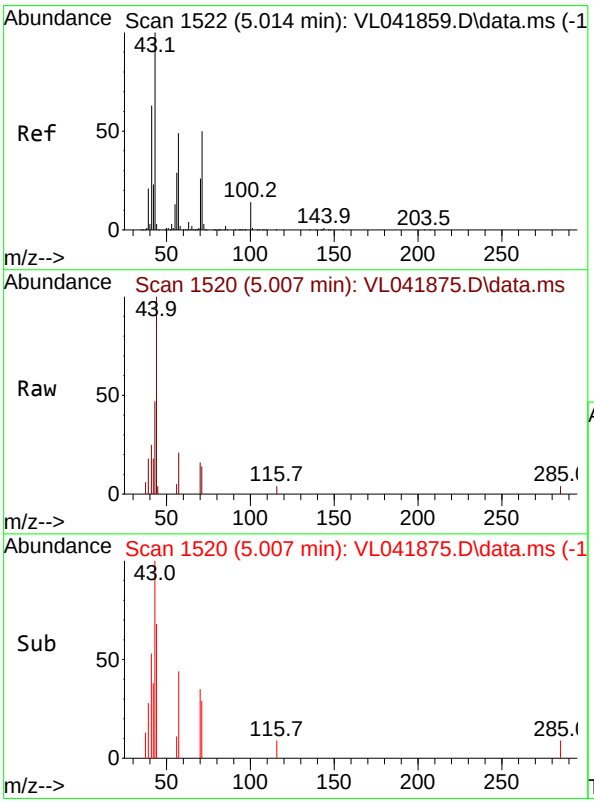
#9
Propene
Concen: 0.332 ppbv
RT: 1.492 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion: 41 Resp: 3257

Ion	Ratio	Lower	Upper
41	100		
42	54.1	53.0	79.6

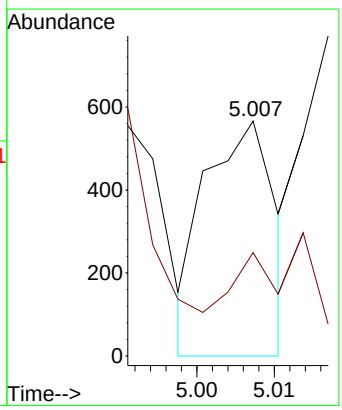


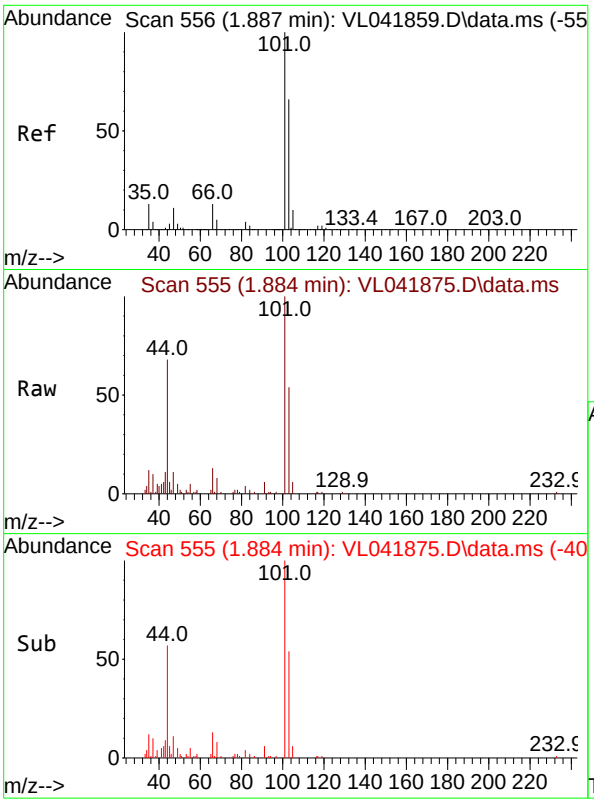


#10
Heptane
Concen: 0.014 ppbv
RT: 5.007 min Scan# 1520
Delta R.T. -0.007 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion: 43 Resp: 354

Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.2	60.2#



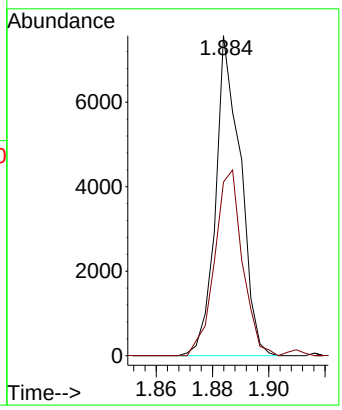


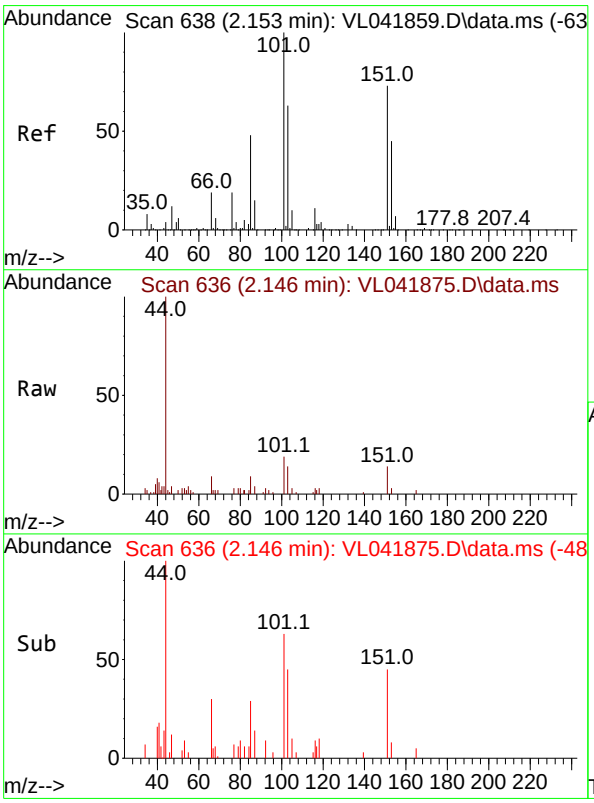
#11
Trichlorofluoromethane
Concen: 0.236 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion:101 Resp: 4646

Ion	Ratio	Lower	Upper
101	100		
103	54.2	52.6	78.8

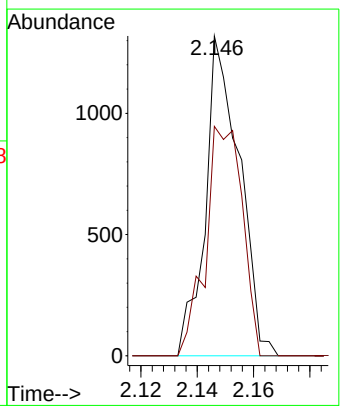


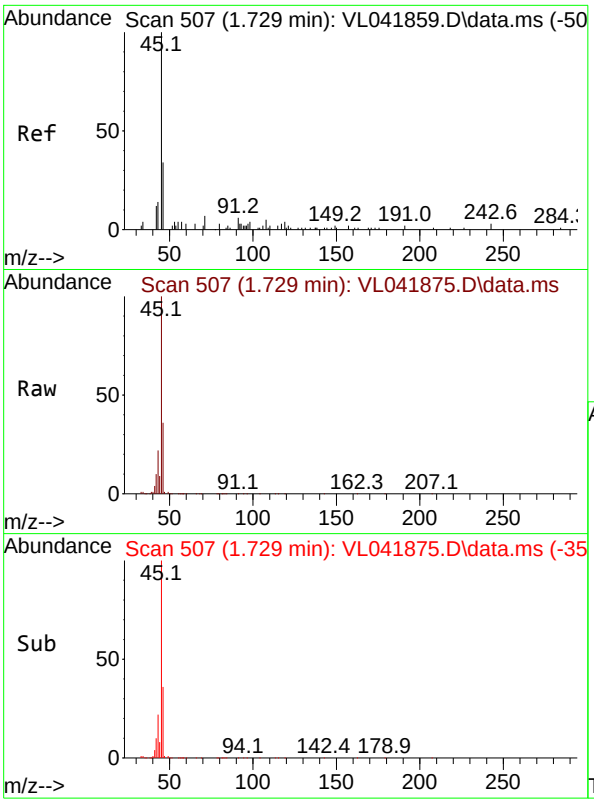


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.069 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.007 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion:101 Resp: 1106

Ion	Ratio	Lower	Upper
101	100		
151	77.3	59.4	89.0



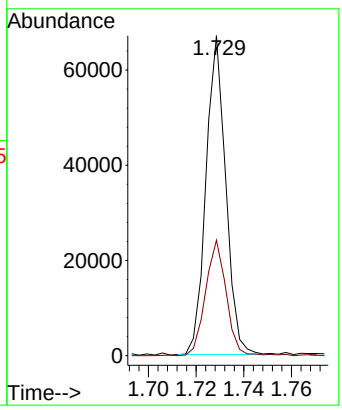


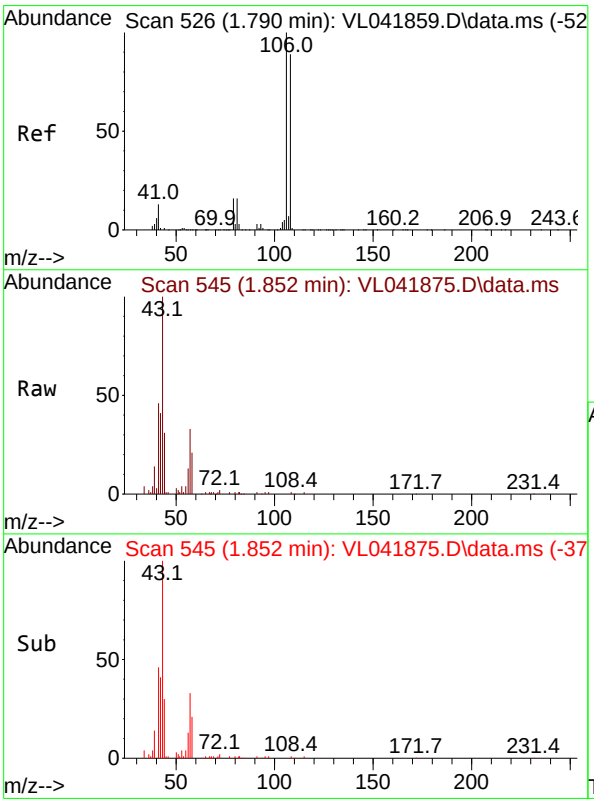
#13
Ethanol
Concen: 62.002 ppbv
RT: 1.729 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion: 45 Resp: 38646

Ion	Ratio	Lower	Upper
45	100		
46	38.5	19.0	76.0

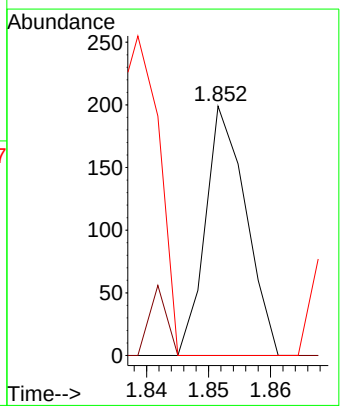


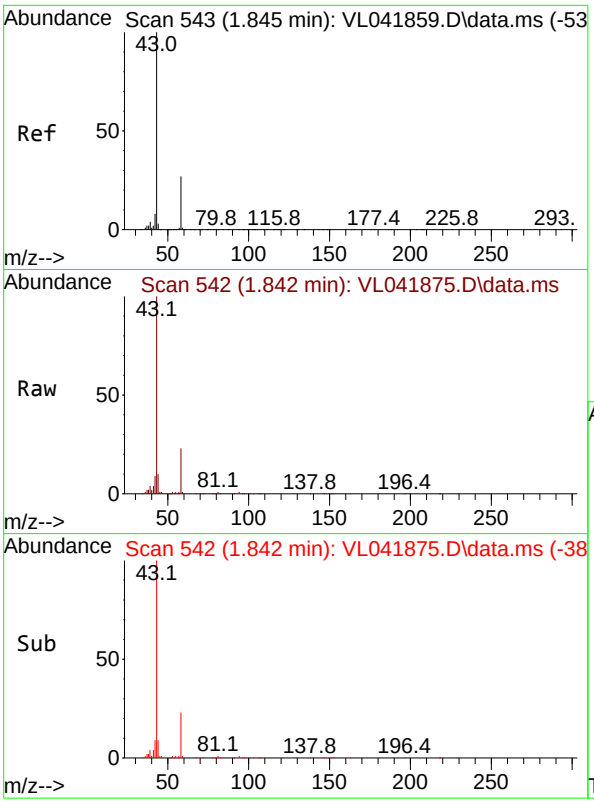


#14
Bromoethene
Concen: 0.016 ppbv
RT: 1.852 min Scan# 545
Delta R.T. 0.061 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion:108 Resp: 90

Ion	Ratio	Lower	Upper
108	100		
106	53.3	86.9	130.3#
79	547.8	15.6	23.4#



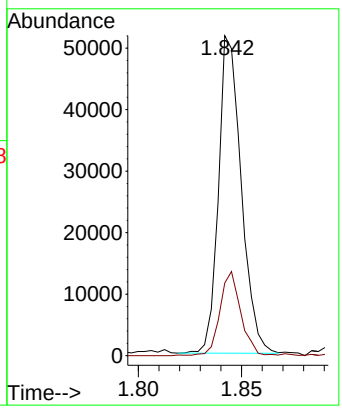


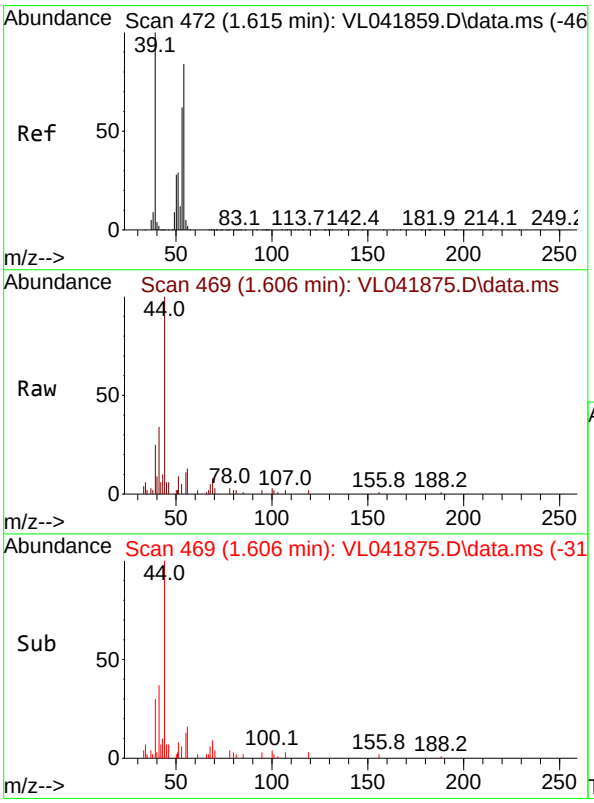
#15
Acetone
Concen: 2.007 ppbv
RT: 1.842 min Scan# 54
Delta R.T. -0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion: 43 Resp: 39483

Ion	Ratio	Lower	Upper
43	100		
58	25.0	22.7	34.1

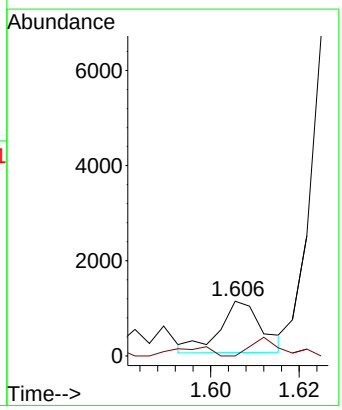


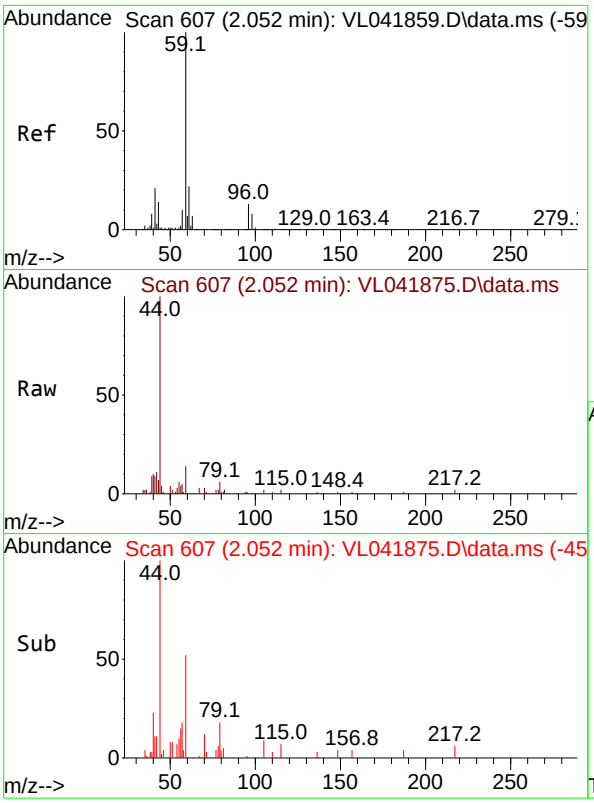


#16
1,3-Butadiene
Concen: 0.085 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.010 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion: 39 Resp: 720

Ion	Ratio	Lower	Upper
39	100		
54	58.8	60.1	90.1#



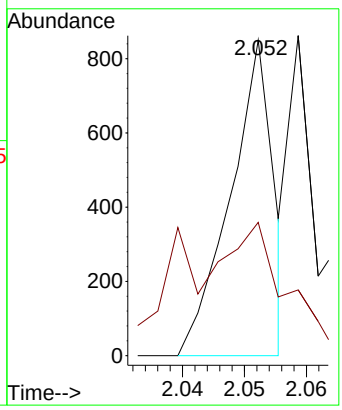


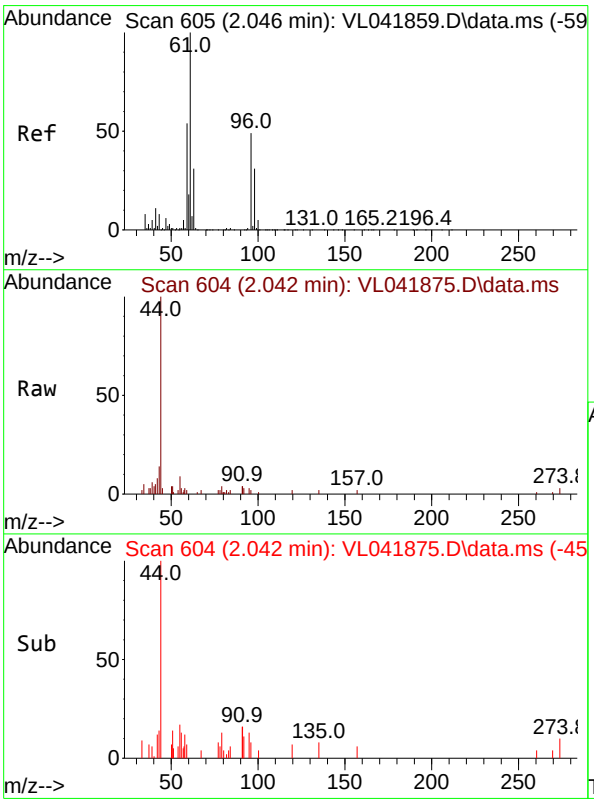
#17
tert-Butyl alcohol
Concen: 0.019 ppbv
RT: 2.052 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion: 59 Resp: 416

Ion	Ratio	Lower	Upper
59	100		
57	98.6	8.2	12.4#

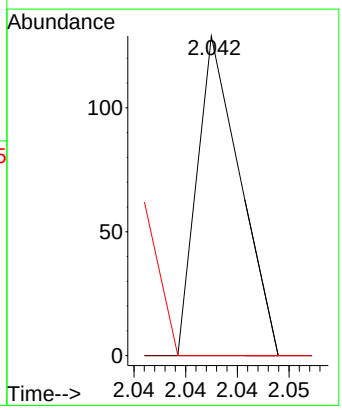


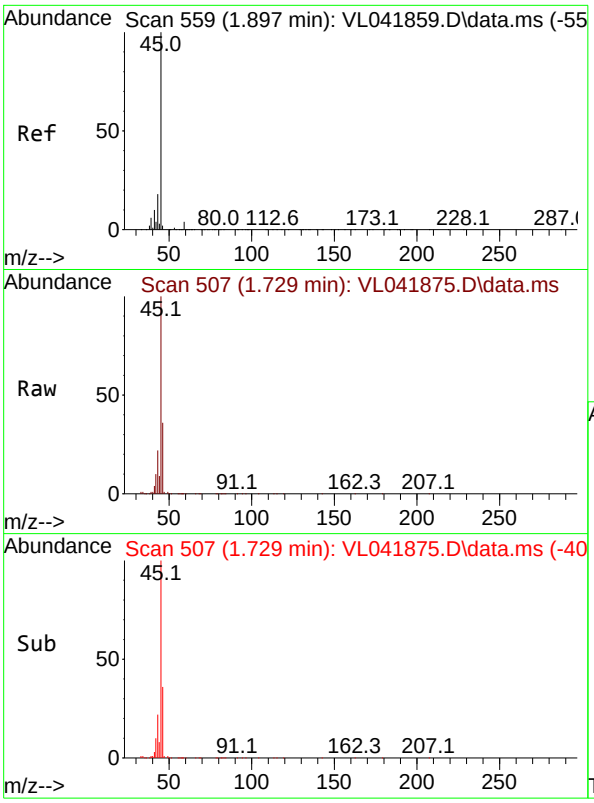


#18
1,1-Dichloroethene
Concen: 0.005 ppbv
RT: 2.042 min Scan# 604
Delta R.T. -0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion: 96 Resp: 37

Ion	Ratio	Lower	Upper
96	100		
61	0.0	161.7	242.5#
98	0.0	51.0	76.4#



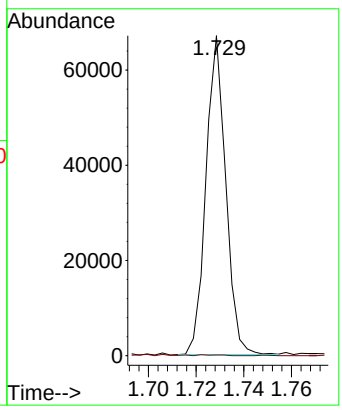


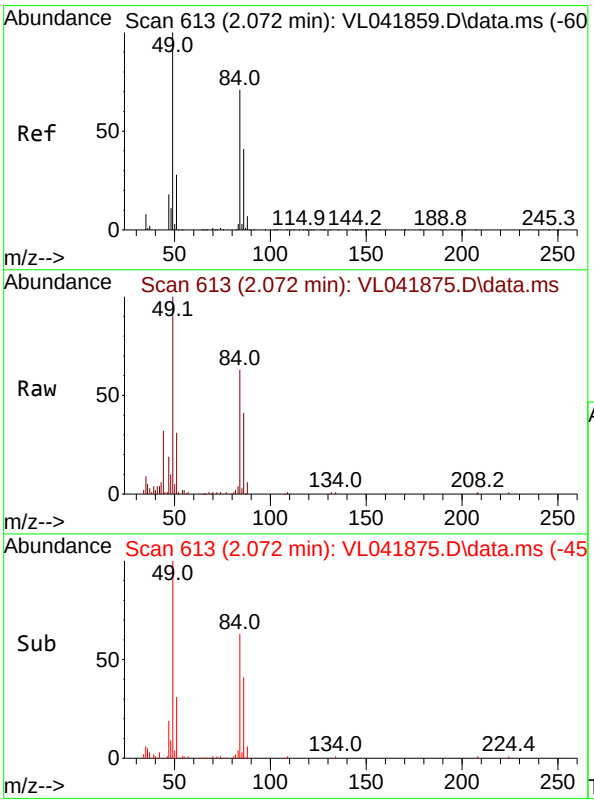
#19
Isopropyl Alcohol
Concen: 3.738 ppbv
RT: 1.729 min Scan# 5(
Delta R.T. -0.168 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion: 45 Resp: 38646

Ion	Ratio	Lower	Upper
45	100		
58	8.4	37.0	55.6#

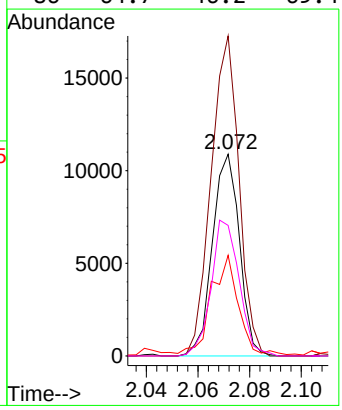


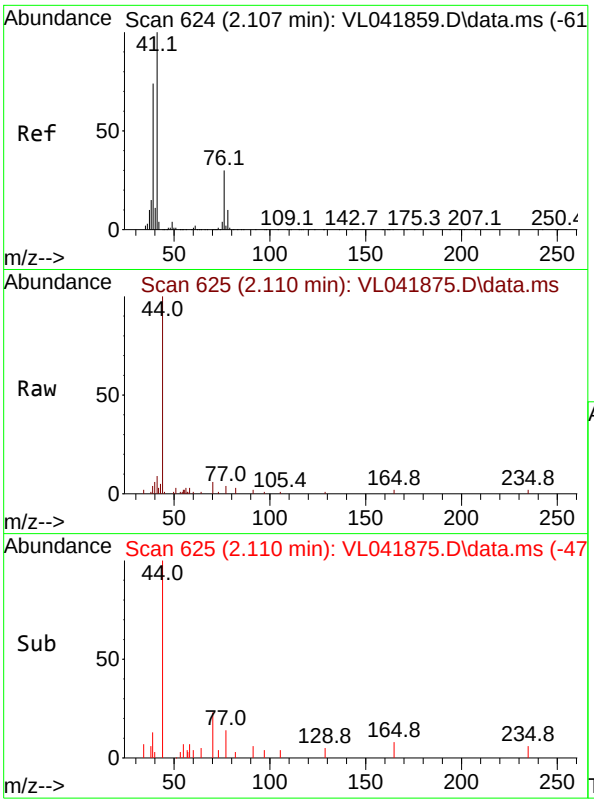


#20
Methylene Chloride
Concen: 1.178 ppbv
RT: 2.072 min Scan# 613
Delta R.T. -0.000 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion: 84 Resp: 7905

Ion	Ratio	Lower	Upper
84	100		
49	158.6	113.8	170.8
51	48.7	33.5	50.3
86	64.7	46.2	69.4



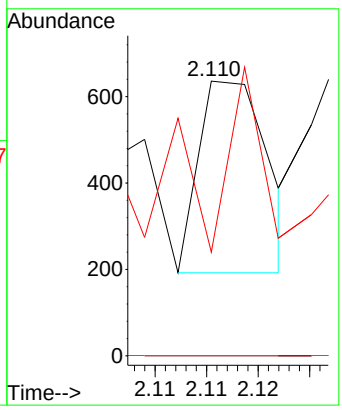


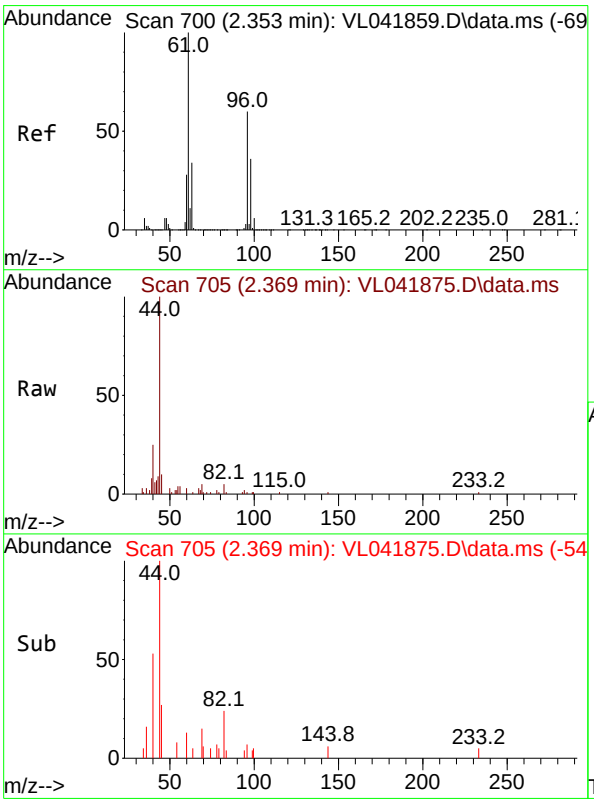
#21
Allyl Chloride
Concen: 0.017 ppbv
RT: 2.110 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion: 41 Resp: 209

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.6	36.8#
39	0.0	60.1	90.1#

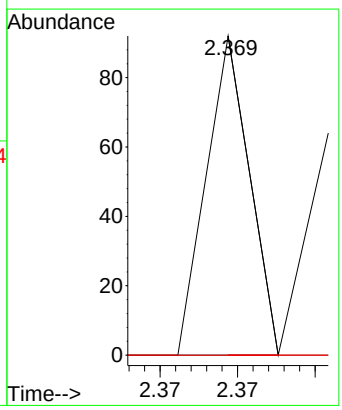


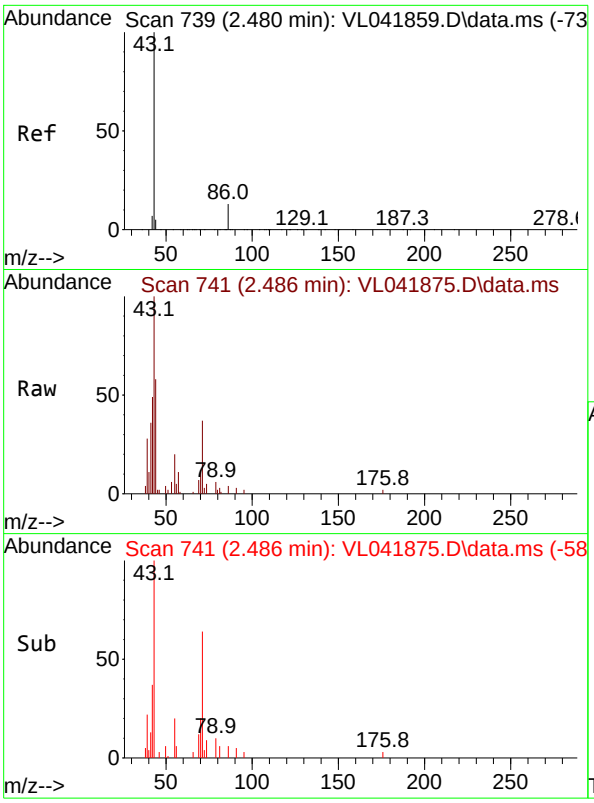


#22
trans-1,2-Dichloroethene
Concen: 0.002 ppbv
RT: 2.369 min Scan# 705
Delta R.T. 0.016 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion: 96 Resp: 18

Ion	Ratio	Lower	Upper
96	100		
61	0.0	134.2	201.4#
98	0.0	49.0	73.4#



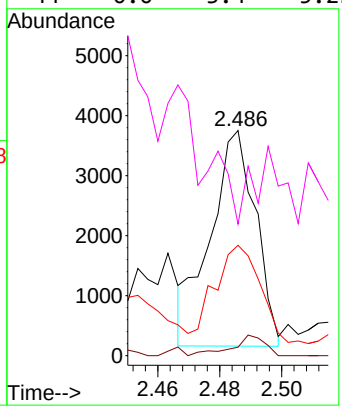


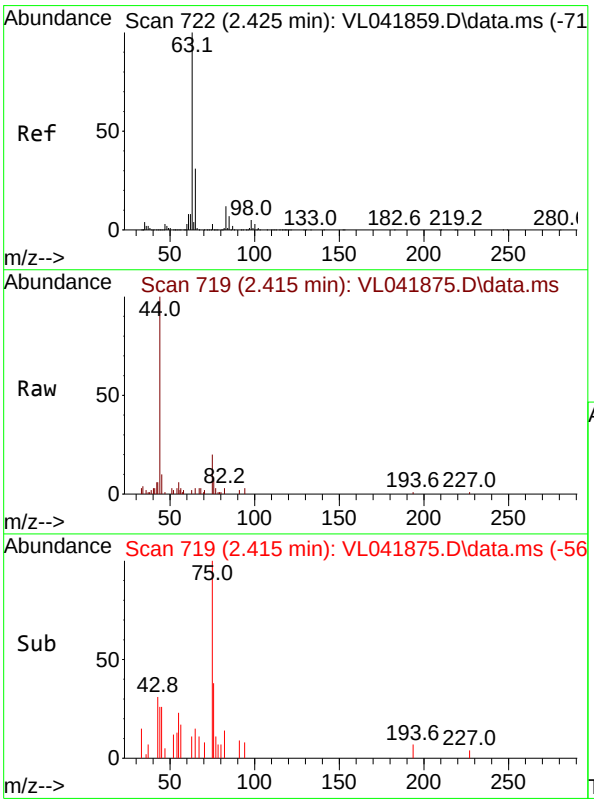
#23
Vinyl Acetate
Concen: 0.367 ppbv
RT: 2.486 min Scan# 7
Delta R.T. 0.006 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion: 43 Resp: 3663

Ion	Ratio	Lower	Upper
43	100		
86	4.1	7.8	11.6#
42	42.5	7.0	10.4#
44	0.0	3.4	5.2#

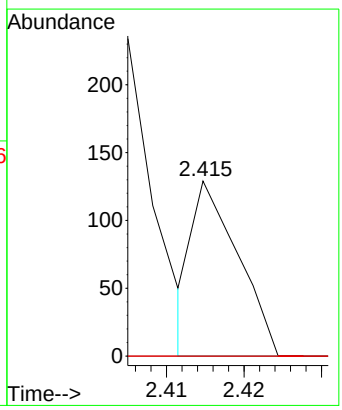


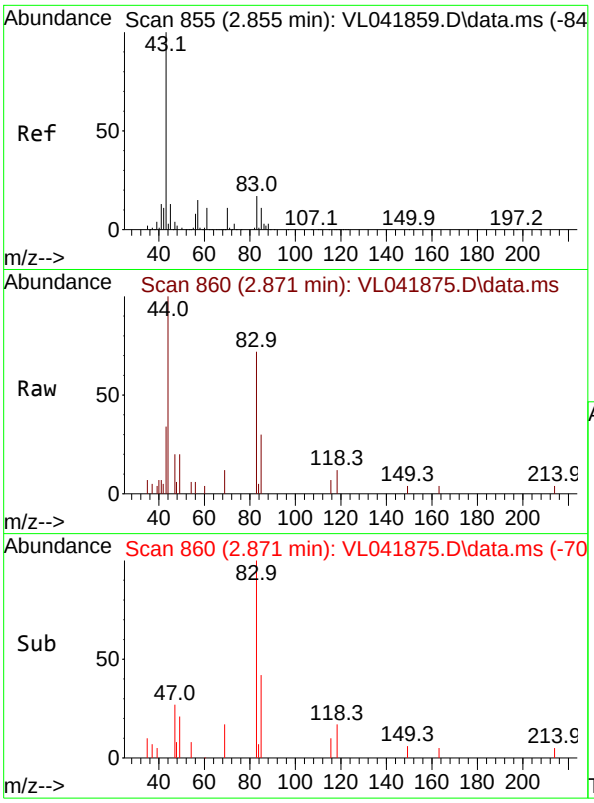


#24
1,1-Dichloroethane
Concen: 0.003 ppbv
RT: 2.415 min Scan# 719
Delta R.T. -0.010 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion: 63 Resp: 53

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.3	6.9#
100	0.0	1.3	3.8#



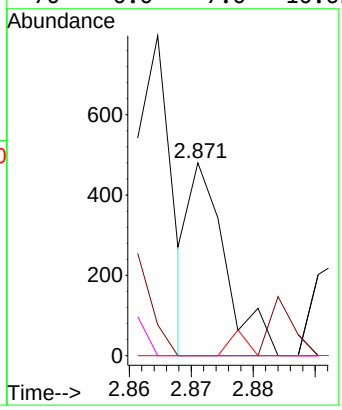


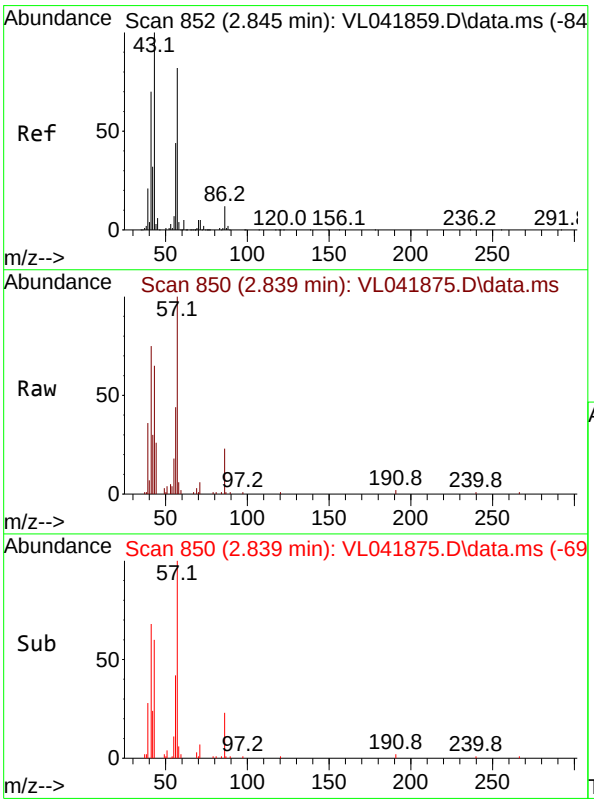
#25
Ethyl Acetate
Concen: 0.004 ppbv
RT: 2.871 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion: 43 Resp: 195

Ion	Ratio	Lower	Upper
43	100		
45	93.8	8.4	12.6#
61	42.6	7.3	10.9#
70	0.0	7.0	10.6#

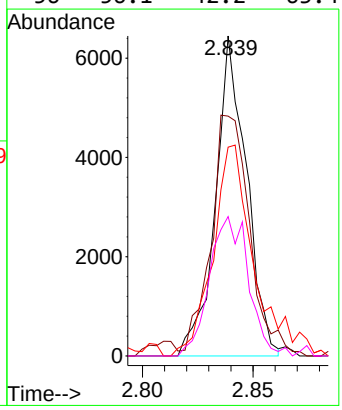


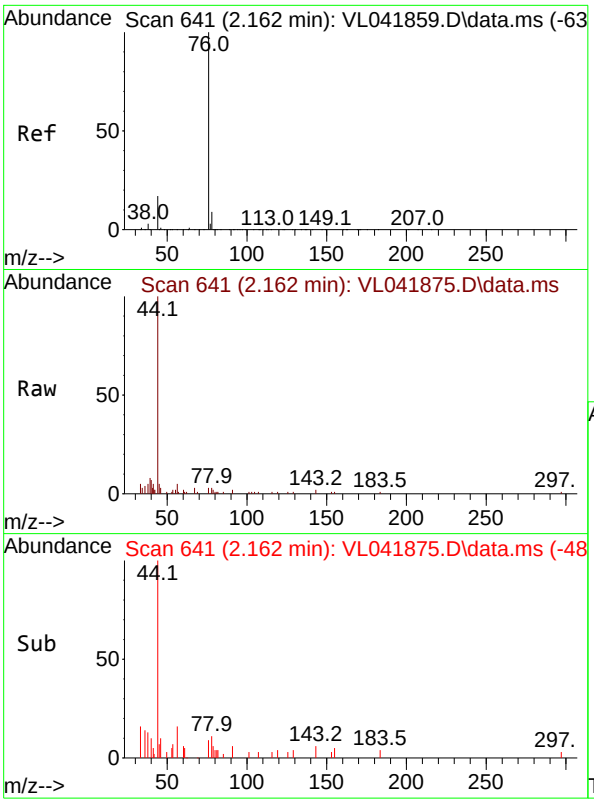


#26
Hexane
Concen: 0.312 ppbv
RT: 2.839 min Scan# 850
Delta R.T. -0.007 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion: 57 Resp: 6270

Ion	Ratio	Lower	Upper
57	100		
41	98.0	71.5	107.3
43	90.4	200.2	300.4#
56	56.1	42.2	63.4



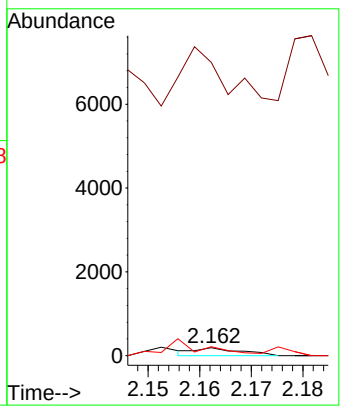


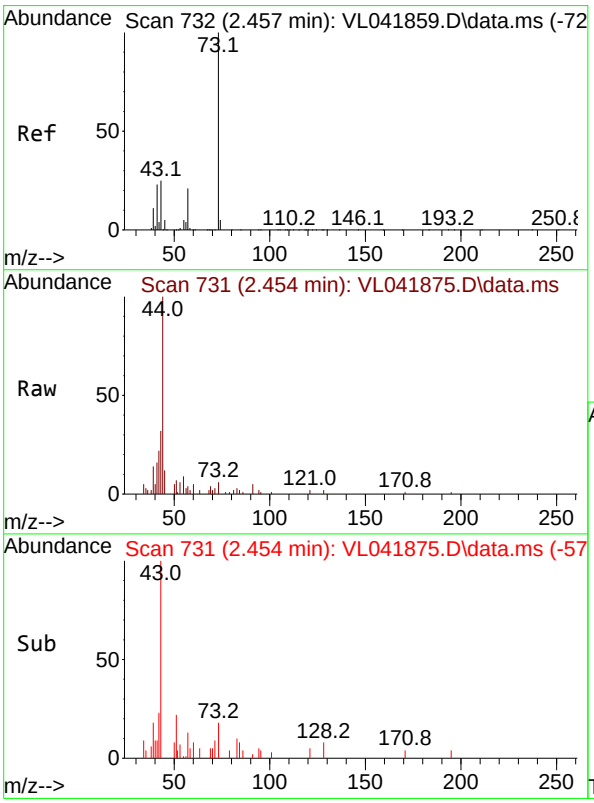
#27
Carbon Disulfide
Concen: 0.006 ppbv
RT: 2.162 min Scan# 64
Delta R.T. -0.000 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion: 76 Resp: 117

Ion	Ratio	Lower	Upper
76	100		
44	9141.0	13.1	19.7#
78	239.3	9.5	14.3#

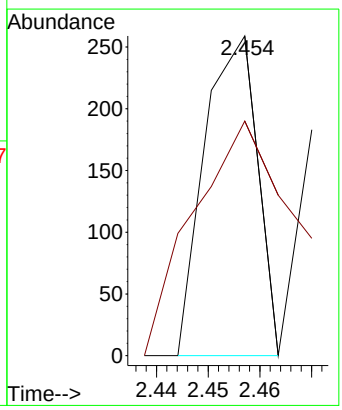


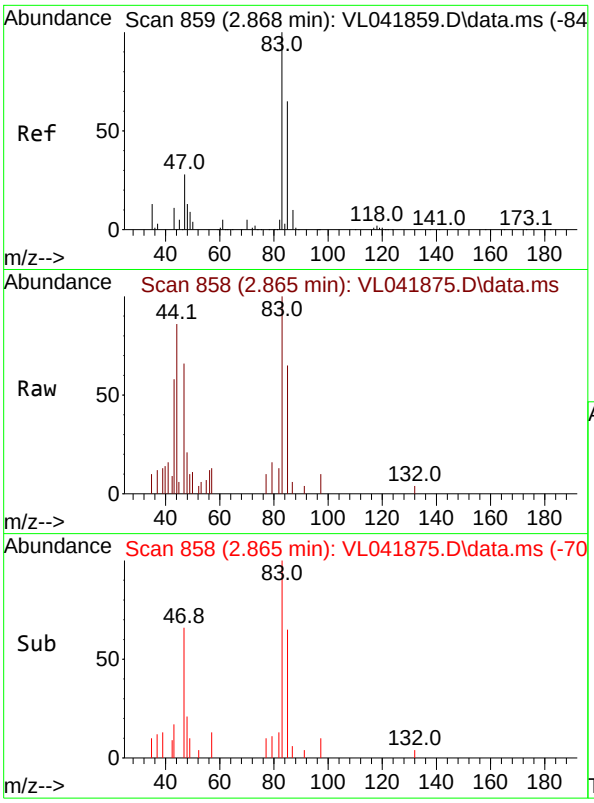


#28
Methyl tert-Butyl Ether
Concen: 0.006 ppbv
RT: 2.454 min Scan# 731
Delta R.T. -0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion: 73 Resp: 92

Ion	Ratio	Lower	Upper
73	100		
57	317.4	17.5	26.3#



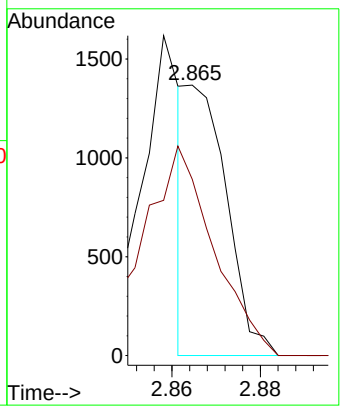


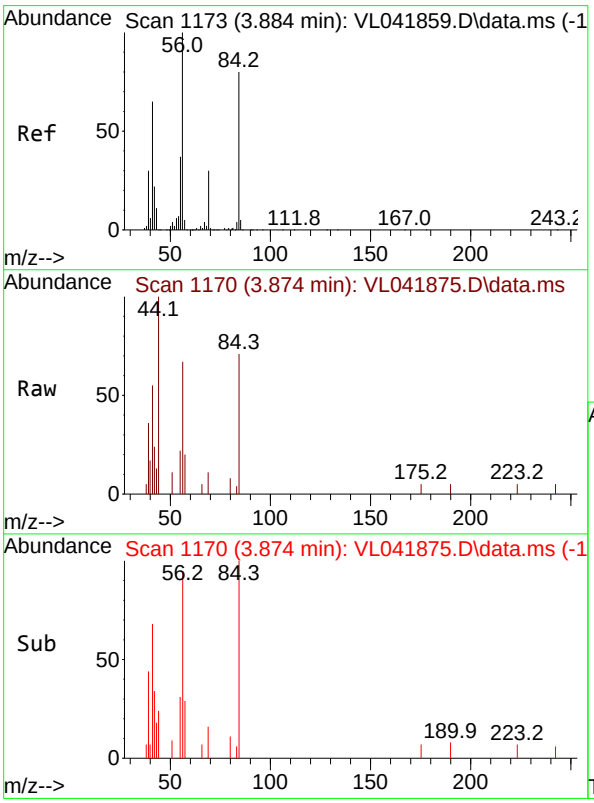
#29
Chloroform
Concen: 0.031 ppbv
RT: 2.865 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion: 83 Resp: 864

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.7	77.5

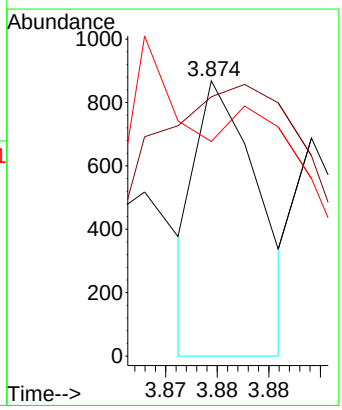


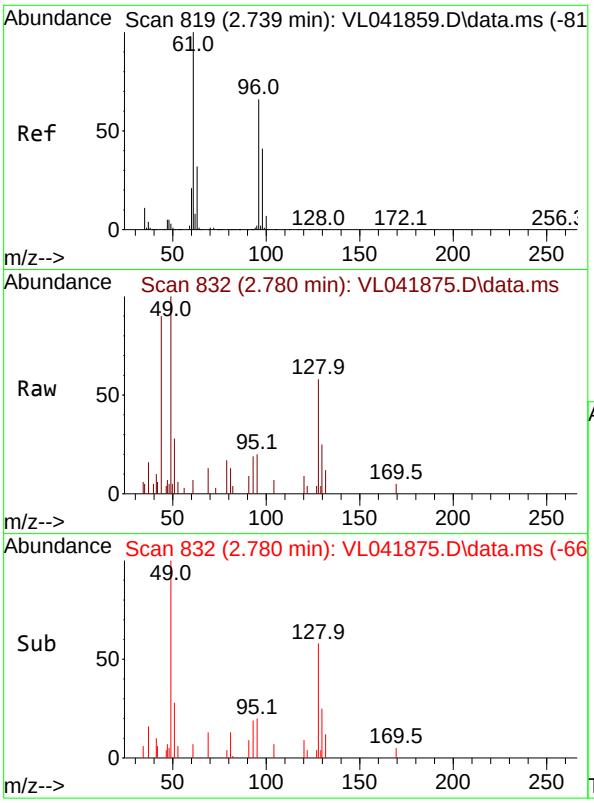


#30
Cyclohexane
Concen: 0.021 ppbv
RT: 3.874 min Scan# 1170
Delta R.T. -0.010 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion: 84 Resp: 365

Ion	Ratio	Lower	Upper
84	100		
56	393.2	100.7	151.1#
41	0.0	62.8	94.2#



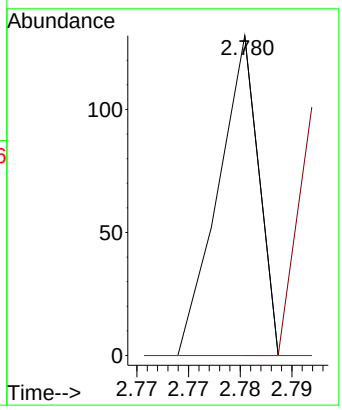


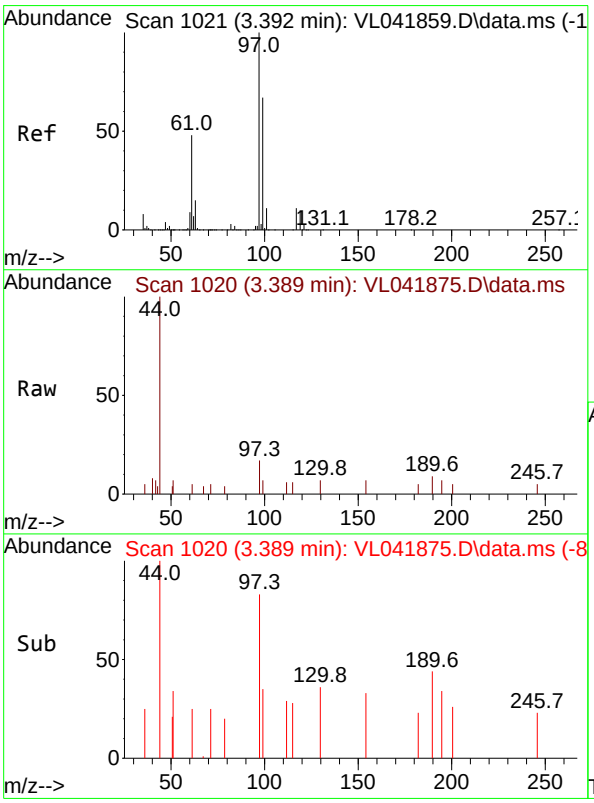
#31
cis-1,2-Dichloroethene
Concen: 0.002 ppbv
RT: 2.780 min Scan# 8
Delta R.T. 0.042 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion: 61 Resp: 35

Ion	Ratio	Lower	Upper
61	100		
96	0.0	53.2	79.8#
98	0.0	32.5	48.7#

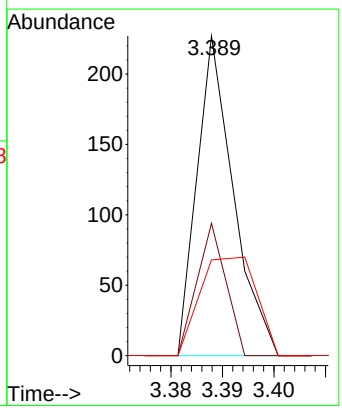


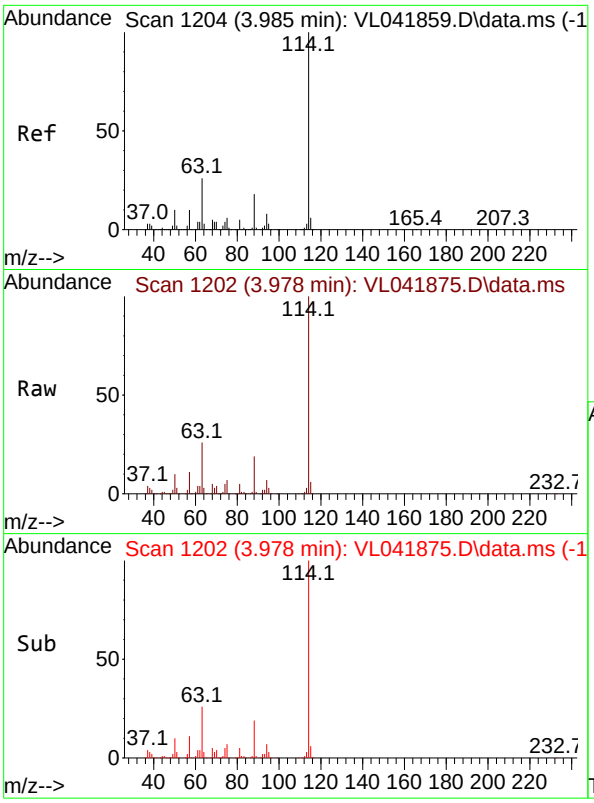


#32
1,1,1-Trichloroethane
Concen: 0.002 ppbv
RT: 3.389 min Scan# 1020
Delta R.T. -0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion: 97 Resp: 56

Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.0	78.0#
61	0.0	38.8	58.2#



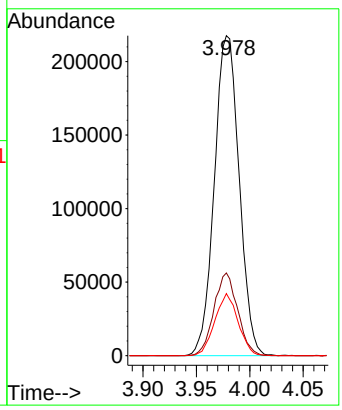


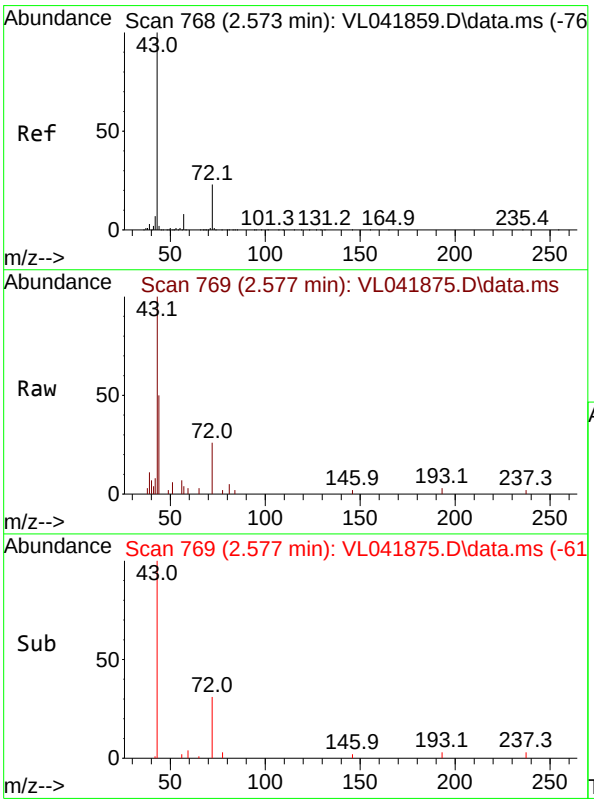
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion:114 Resp: 351417

Ion	Ratio	Lower	Upper
114	100		
63	24.7	20.3	30.5
88	18.2	14.6	21.8

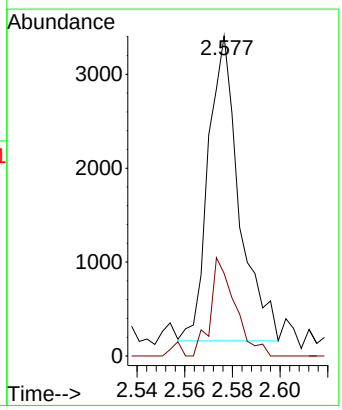


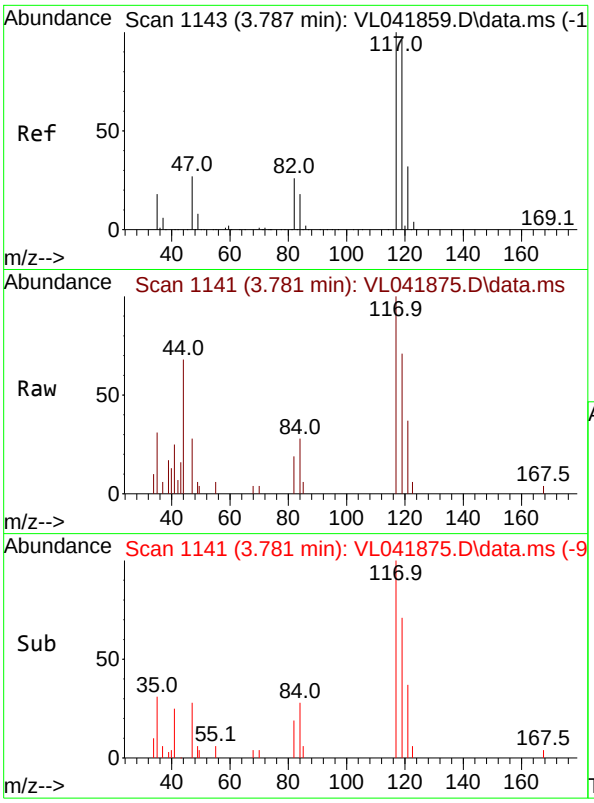


#34
2-Butanone
Concen: 0.100 ppbv
RT: 2.577 min Scan# 769
Delta R.T. 0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion: 43 Resp: 2930

Ion	Ratio	Lower	Upper
43	100		
72	27.2	18.5	27.7



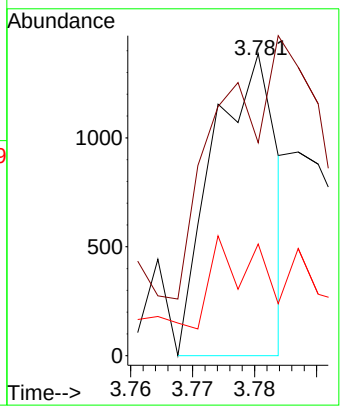


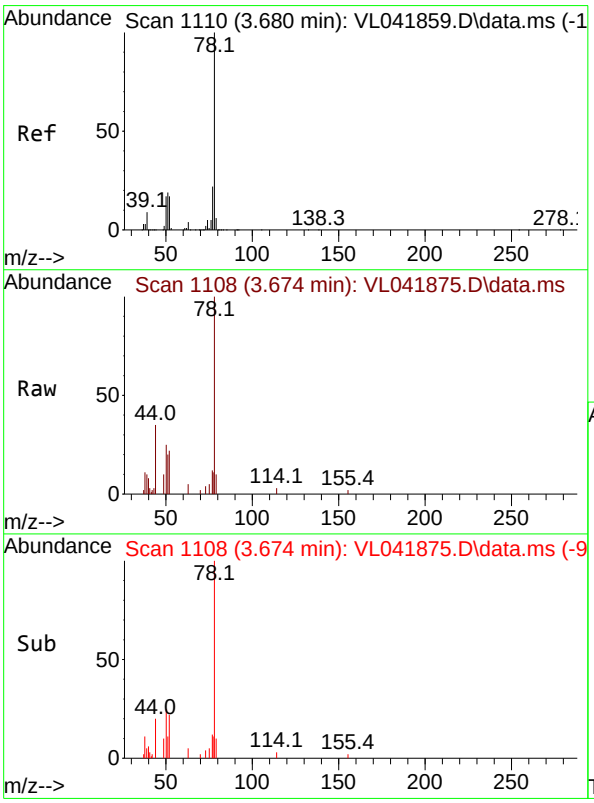
#35
Carbon Tetrachloride
Concen: 0.037 ppbv
RT: 3.781 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion:117 Resp: 997

Ion	Ratio	Lower	Upper
117	100		
119	51.8	76.9	115.3#
121	26.2	25.9	38.9

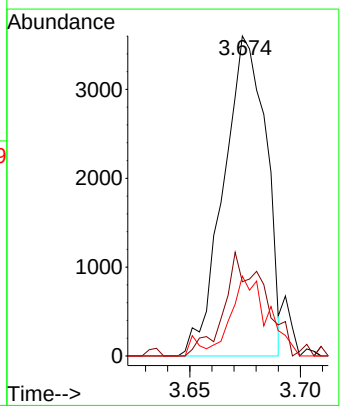


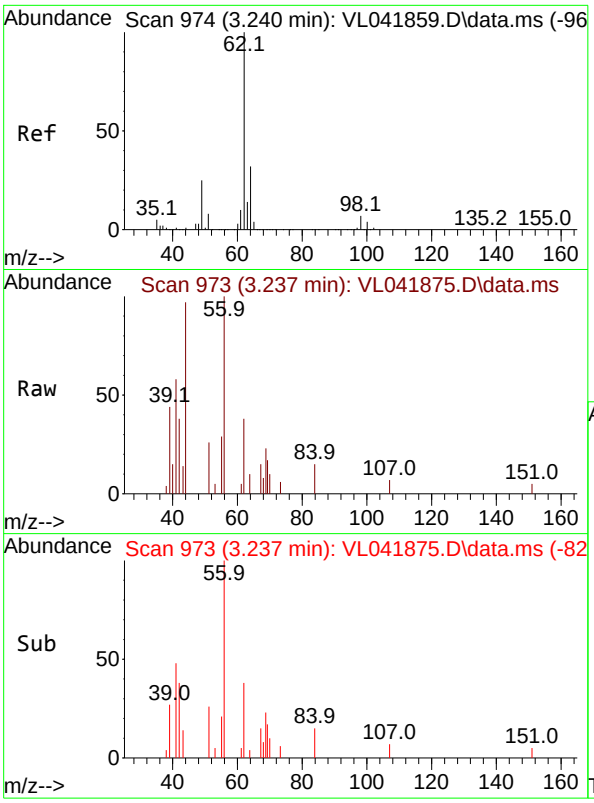


#36
Benzene
Concen: 0.118 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. -0.007 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion: 78 Resp: 4802

Ion	Ratio	Lower	Upper
78	100		
77	23.2	17.9	26.9
50	25.0	13.7	20.5#



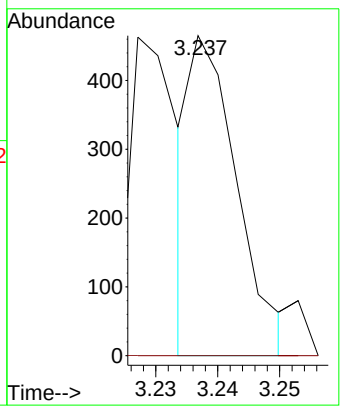


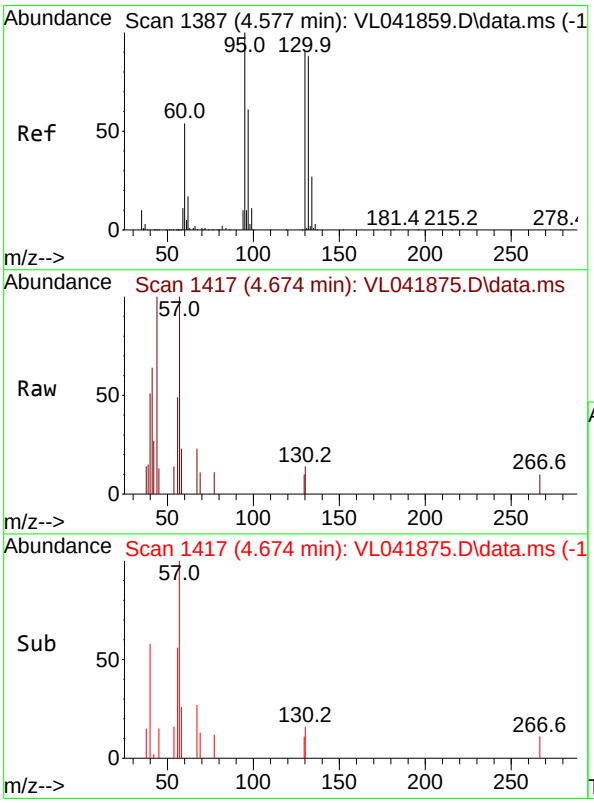
#37
1,2-Dichloroethane
Concen: 0.012 ppbv
RT: 3.237 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion: 62 Resp: 246

Ion	Ratio	Lower	Upper
62	100		
98	0.0	5.6	8.4#

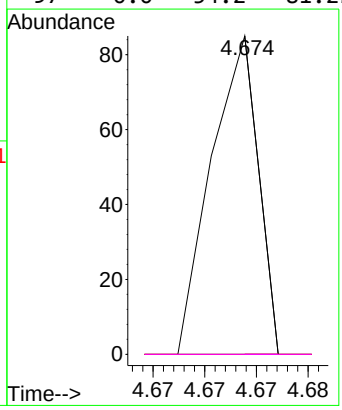


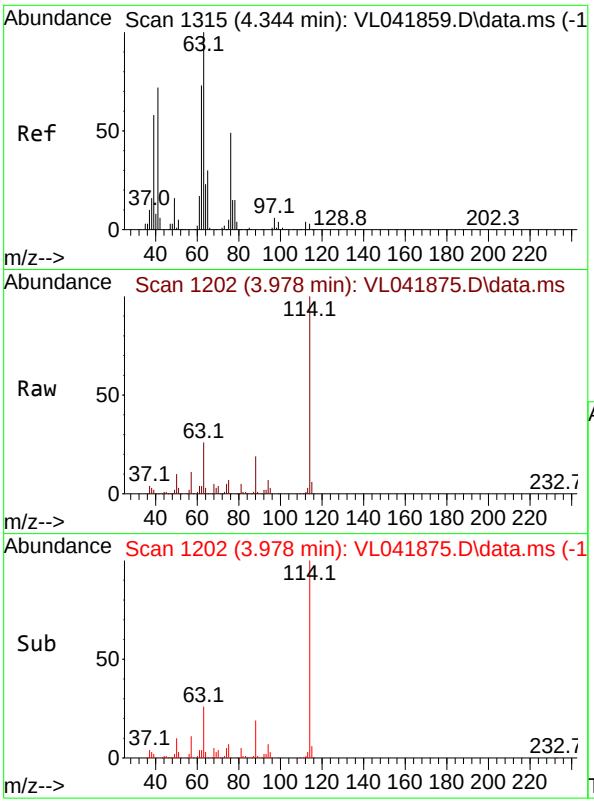


#38
Trichloroethene
Concen: 0.002 ppbv
RT: 4.674 min Scan# 1417
Delta R.T. 0.097 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion:130 Resp: 27

Ion	Ratio	Lower	Upper
130	100		
95	0.0	88.5	132.7#
132	0.0	78.2	117.2#
97	0.0	54.2	81.2#



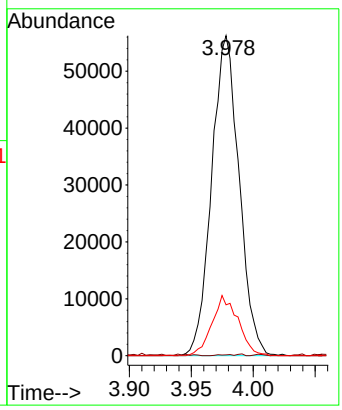


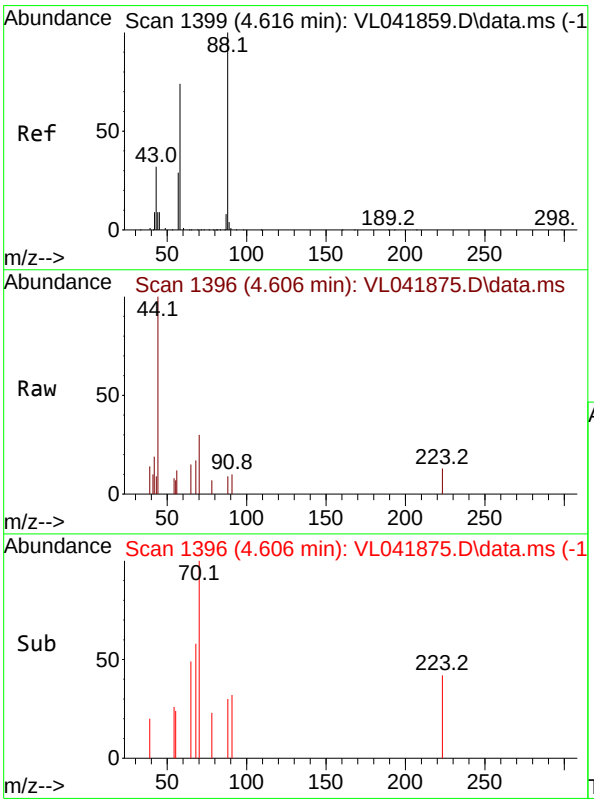
#39
1,2-Dichloropropane
Concen: 5.988 ppbv
RT: 3.978 min Scan# 1
Delta R.T. -0.366 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion: 63 Resp: 86849

Ion	Ratio	Lower	Upper
63	100		
41	0.2	58.0	87.0#
62	15.9	58.6	87.8#

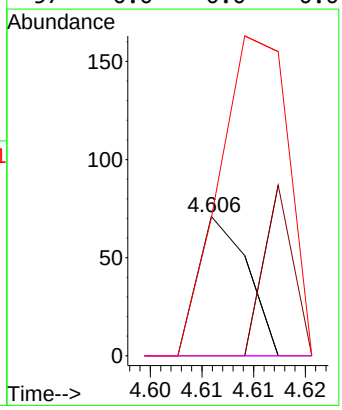


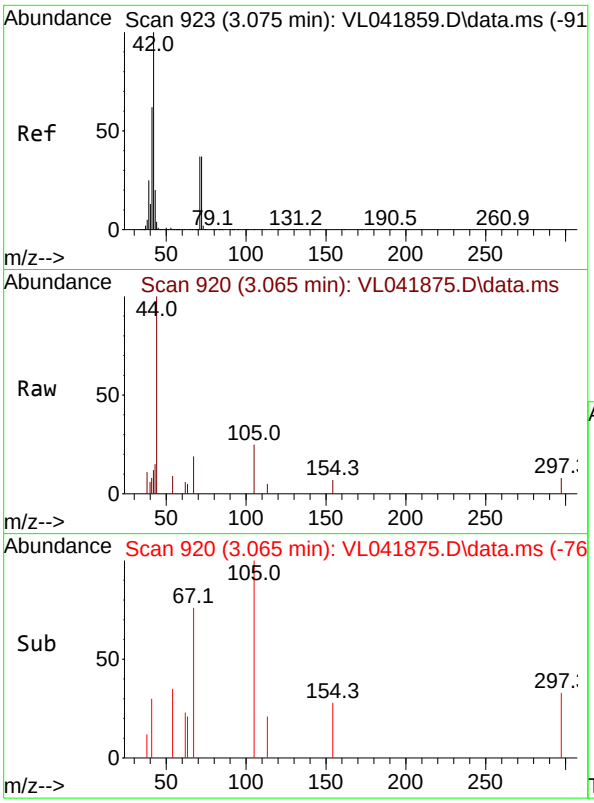


#40
1,4-Dioxane
Concen: 0.003 ppbv
RT: 4.606 min Scan# 1396
Delta R.T. -0.010 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion: 88 Resp: 24

Ion	Ratio	Lower	Upper
88	100		
58	166.7	52.2	78.4#
43	866.7	0.0	0.0#
57	0.0	0.0	0.0



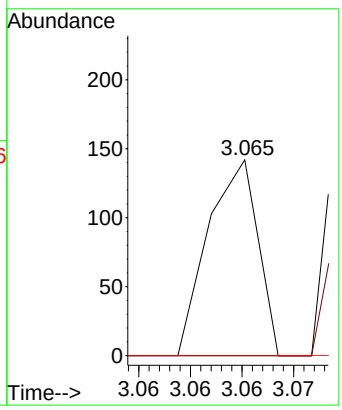


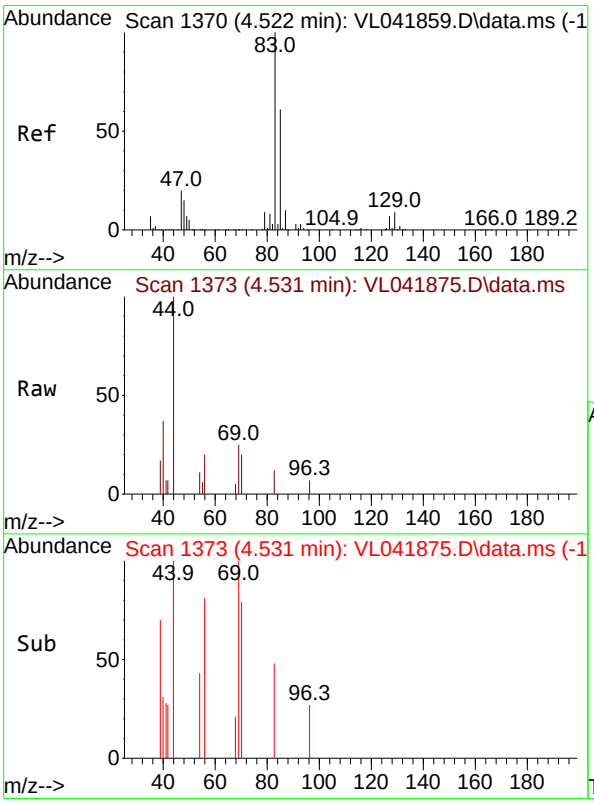
#41
Tetrahydrofuran
Concen: 0.003 ppbv
RT: 3.065 min Scan# 9
Delta R.T. -0.010 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion: 42 Resp: 48

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.8	46.2#
71	0.0	30.1	45.1#

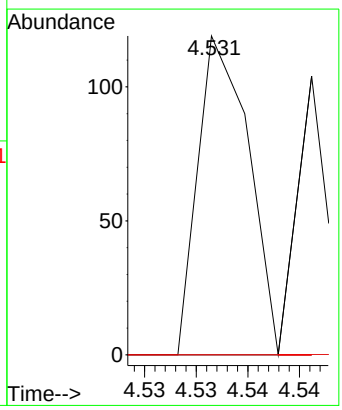


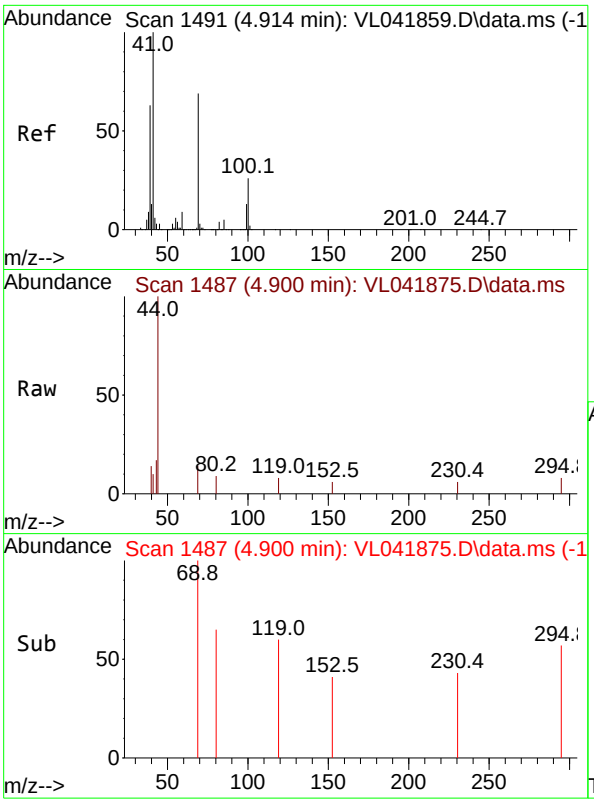


#42
Bromodichloromethane
Concen: 0.001 ppbv
RT: 4.531 min Scan# 1373
Delta R.T. 0.010 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion: 83 Resp: 41

Ion	Ratio	Lower	Upper
83	100		
85	0.0	48.9	73.3#
127	0.0	5.4	8.2#



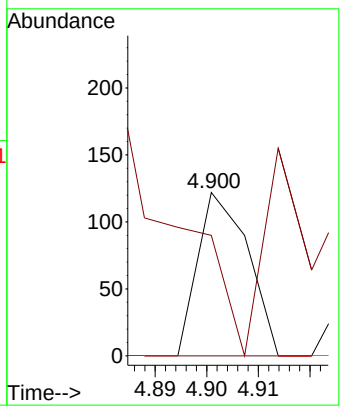


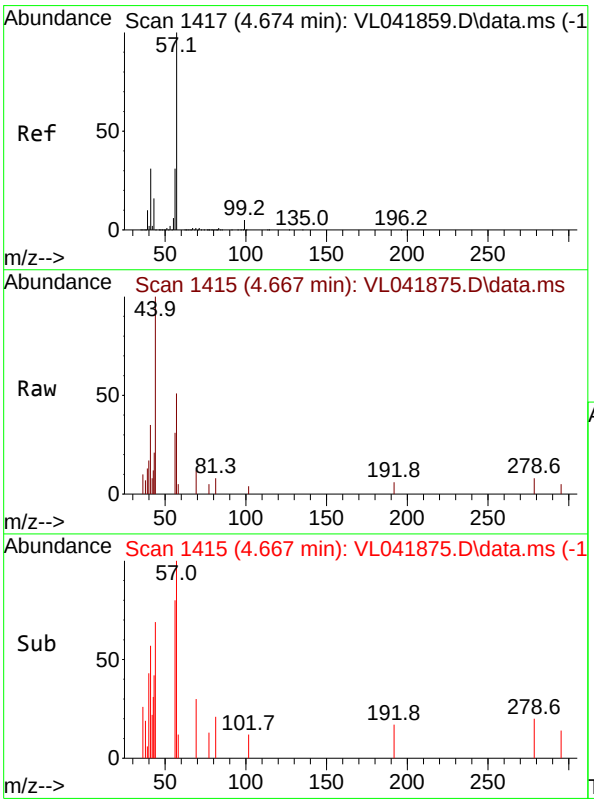
#43
Methyl Methacrylate
Concen: 0.002 ppbv
RT: 4.900 min Scan# 14
Delta R.T. -0.013 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion: 69 Resp: 41

Ion	Ratio	Lower	Upper
69	100		
41	548.8	116.2	174.4#
100	0.0	29.8	44.8#

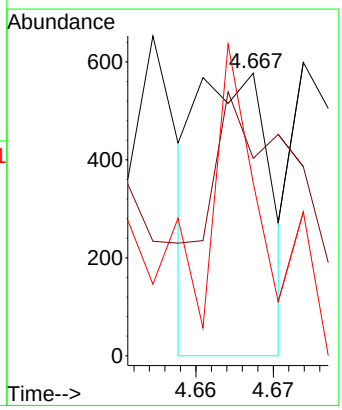


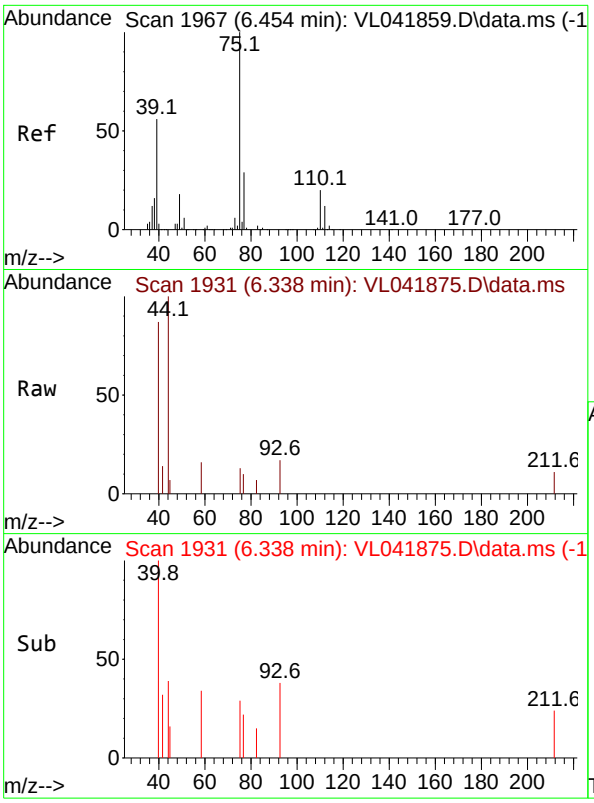


#44
2,2,4-Trimethylpentane
Concen: 0.005 ppbv
RT: 4.667 min Scan# 1415
Delta R.T. -0.007 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion: 57 Resp: 375

Ion	Ratio	Lower	Upper
57	100		
41	0.0	25.5	38.3#
56	0.0	25.6	38.4#



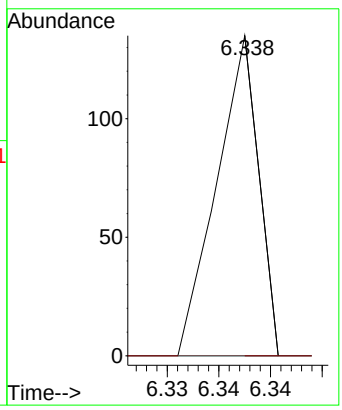


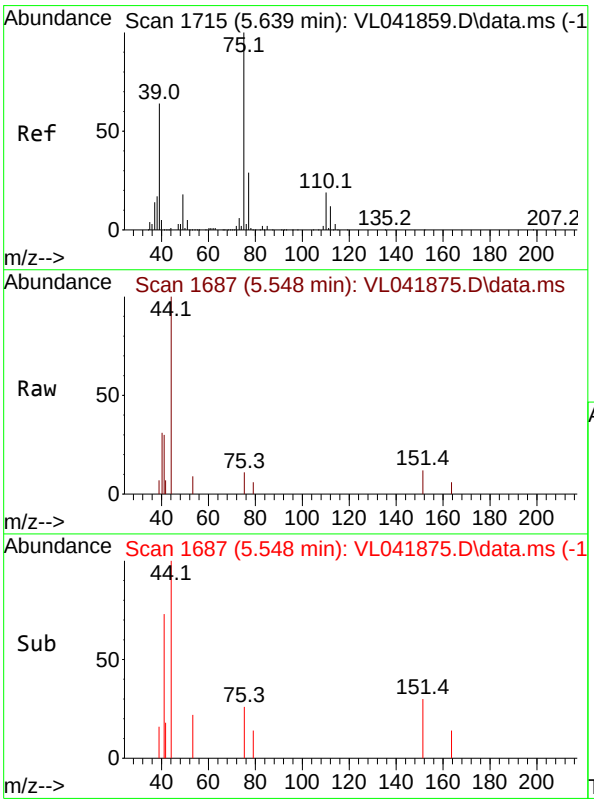
#45
t-1,3-Dichloropropene
Concen: 0.002 ppbv
RT: 6.338 min Scan# 1
Delta R.T. -0.117 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion: 75 Resp: 38

Ion	Ratio	Lower	Upper
75	100		
77	0.0	23.4	35.2#

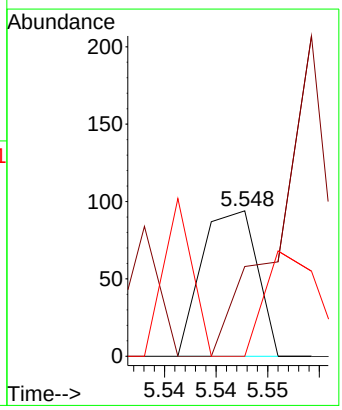


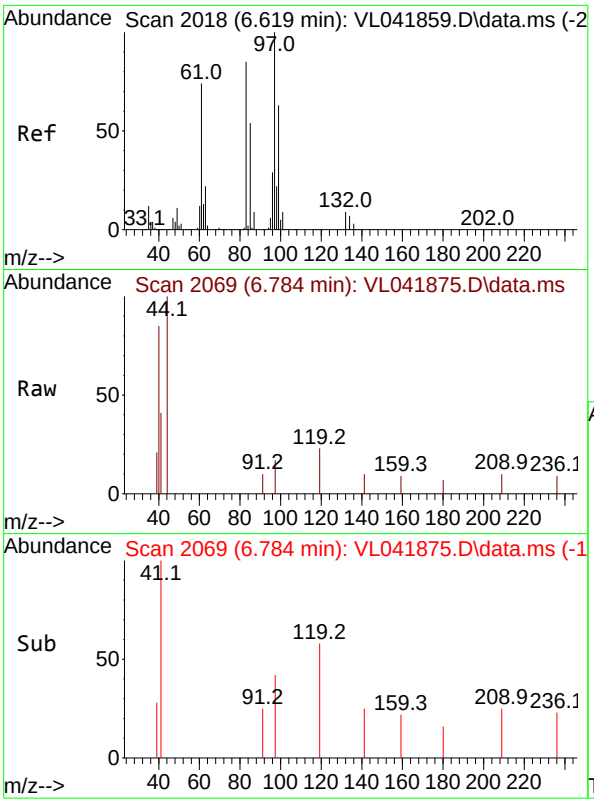


#46
cis-1,3-Dichloropropene
Concen: 0.002 ppbv
RT: 5.548 min Scan# 1687
Delta R.T. -0.091 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion: 75 Resp: 35

Ion	Ratio	Lower	Upper
75	100		
39	61.7	51.4	77.2
77	0.0	23.0	34.4#



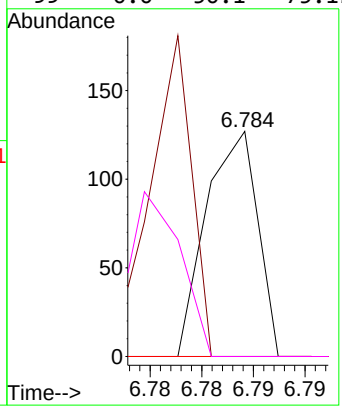


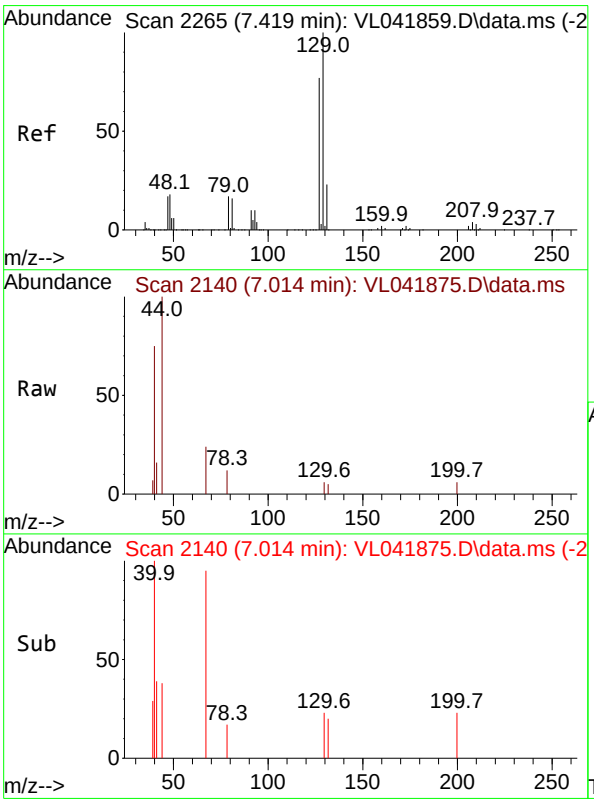
#47
1,1,2-Trichloroethane
Concen: 0.003 ppbv
RT: 6.784 min Scan# 2
Delta R.T. 0.165 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion: 97 Resp: 44

Ion	Ratio	Lower	Upper
97	100		
83	0.0	68.1	102.1#
85	0.0	43.4	65.2#
99	0.0	50.1	75.1#

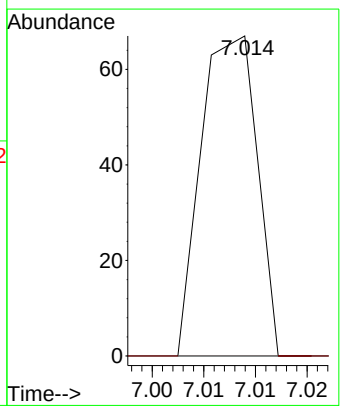


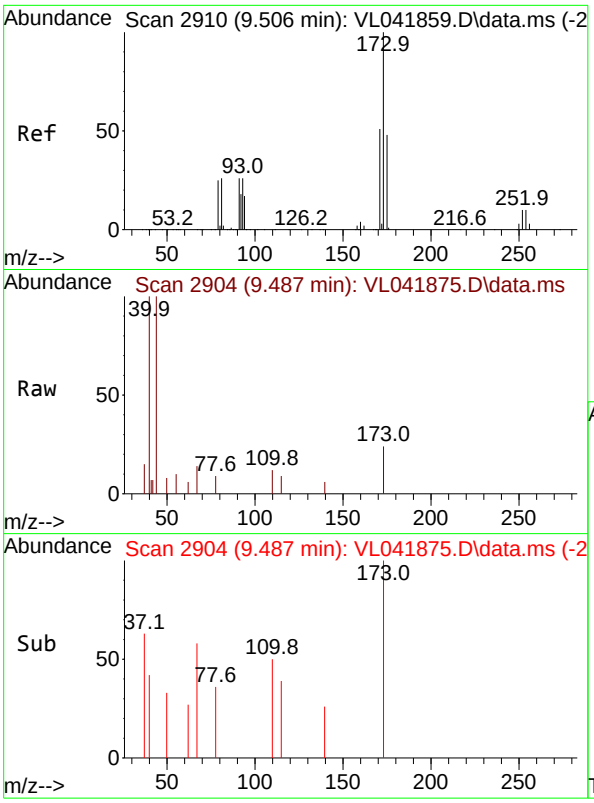


#48
Dibromochloromethane
Concen: 0.001 ppbv
RT: 7.014 min Scan# 2140
Delta R.T. -0.405 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion:129 Resp: 25

Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.4	118.1#



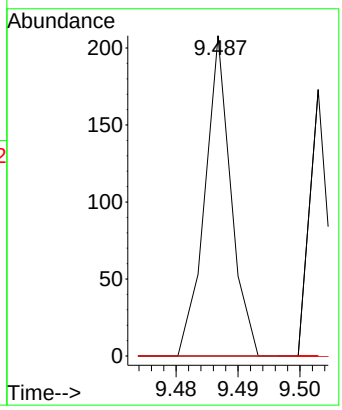


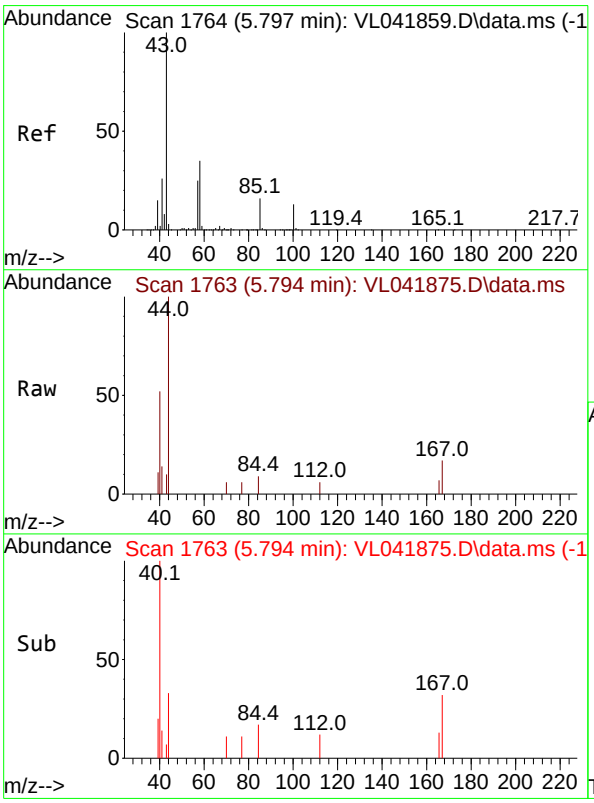
#49
Bromoform
Concen: 0.003 ppbv
RT: 9.487 min Scan# 2
Delta R.T. -0.020 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion:173 Resp: 61

Ion	Ratio	Lower	Upper
173	100		
175	0.0	38.2	57.2#
171	49.2	41.3	61.9

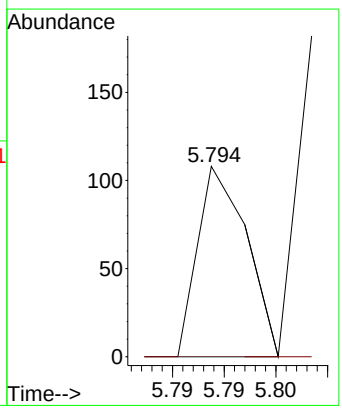


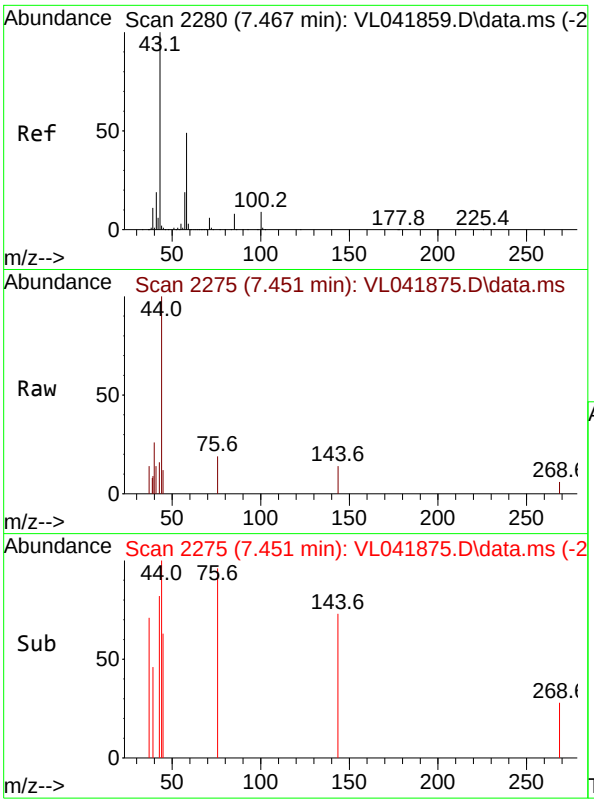


#50
4-Methyl-2-Pentanone
Concen: 0.001 ppbv
RT: 5.794 min Scan# 1763
Delta R.T. -0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion: 43 Resp: 36

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.4	44.2#



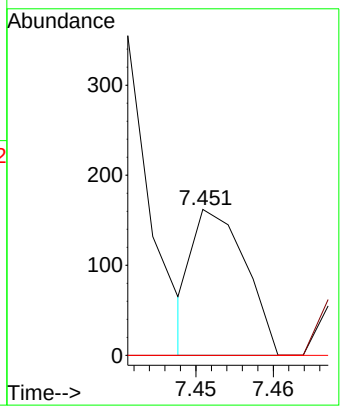


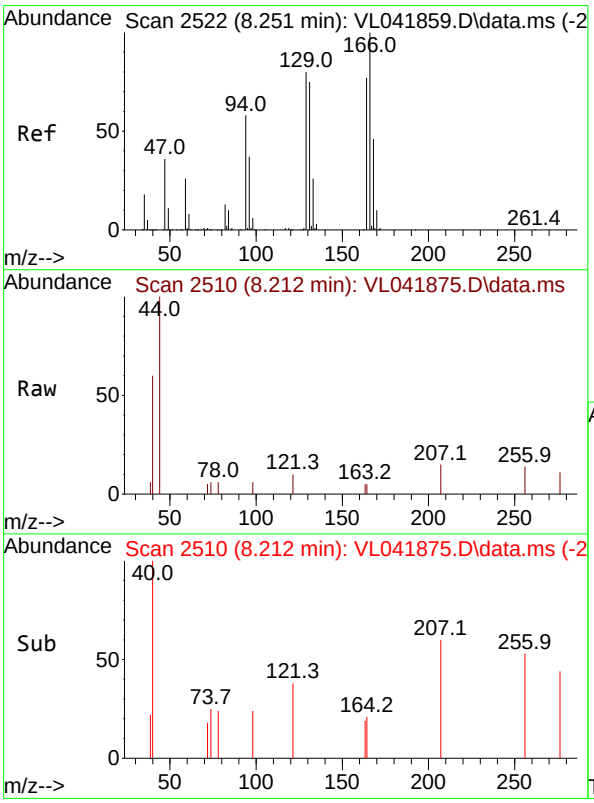
#51
2-Hexanone
Concen: 0.002 ppbv
RT: 7.451 min Scan# 2
Delta R.T. -0.016 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion: 43 Resp: 76

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

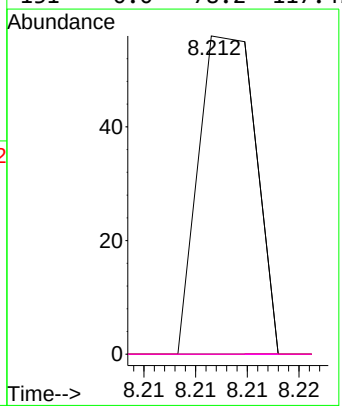


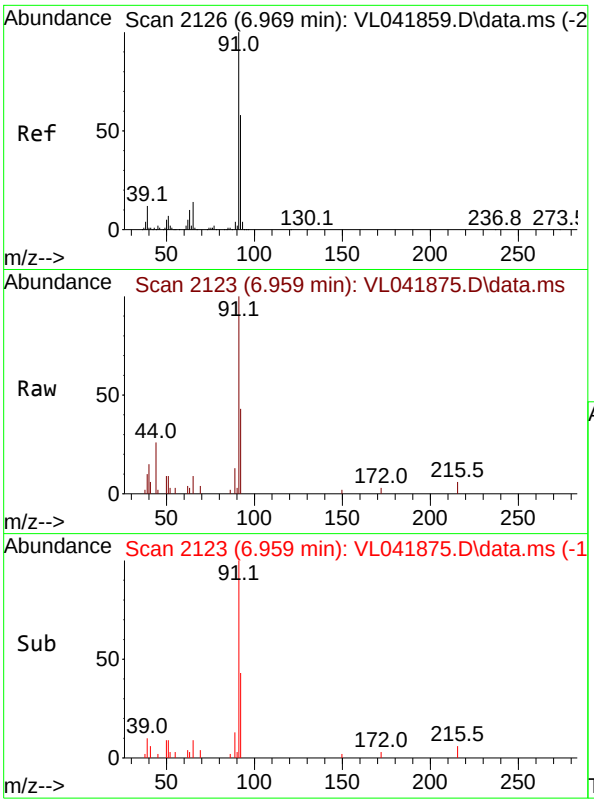


#52
Tetrachloroethene
Concen: 0.001 ppbv
RT: 8.212 min Scan# 2510
Delta R.T. -0.039 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion:164 Resp: 22

Ion	Ratio	Lower	Upper
164	100		
166	0.0	103.6	155.4#
129	0.0	82.6	123.8#
131	0.0	78.2	117.4#



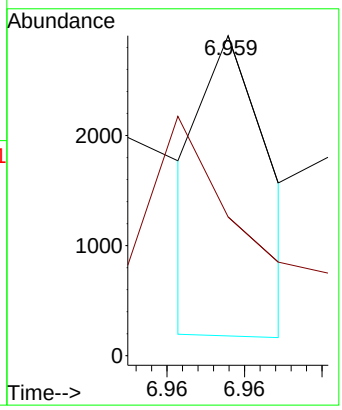


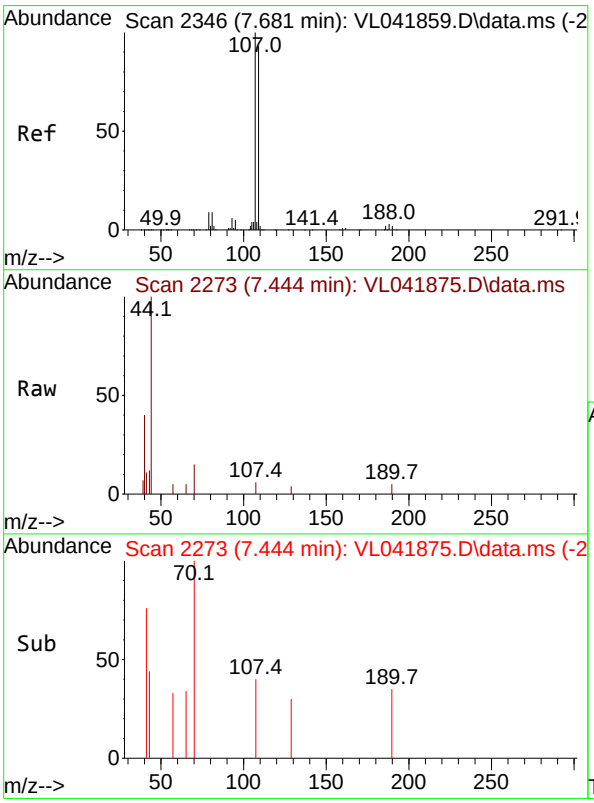
#53
Toluene
Concen: 0.016 ppbv
RT: 6.959 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion: 91 Resp: 798

Ion	Ratio	Lower	Upper
91	100		
92	308.5	47.2	70.8#

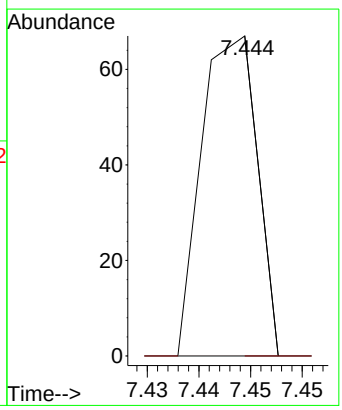


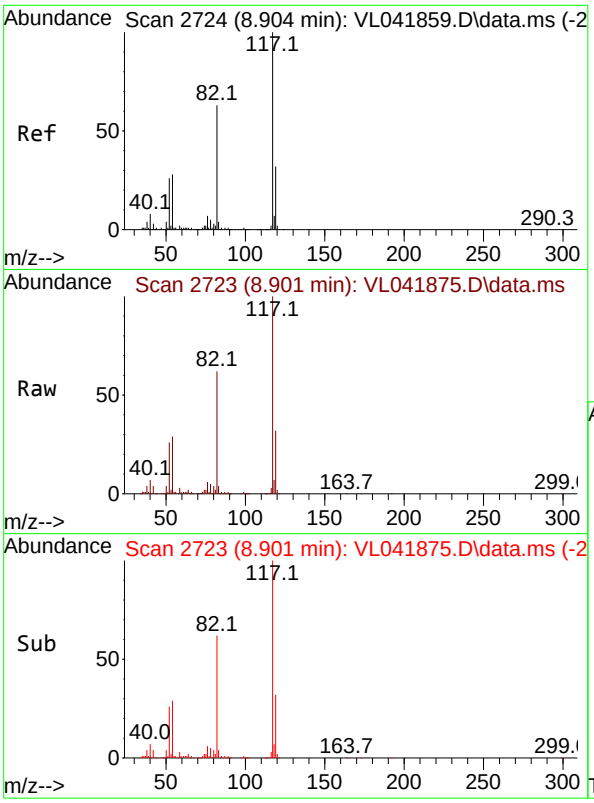


#54
1,2-Dibromoethane
Concen: 0.001 ppbv
RT: 7.444 min Scan# 2273
Delta R.T. -0.236 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion:107 Resp: 25

Ion	Ratio	Lower	Upper
107	100		
109	0.0	74.6	112.0#



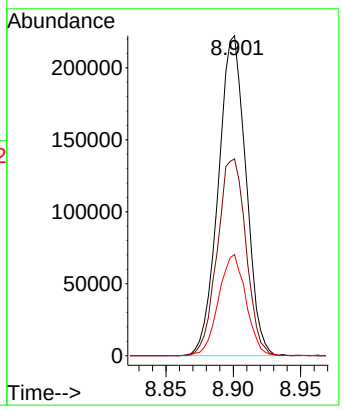


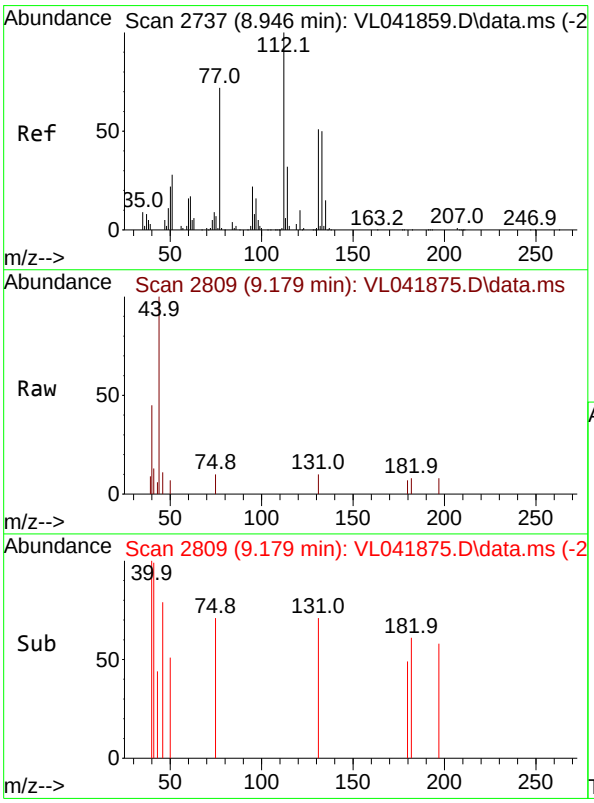
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion:117 Resp: 317385

Ion	Ratio	Lower	Upper
117	100		
82	63.7	54.5	81.7
119	31.3	24.6	37.0

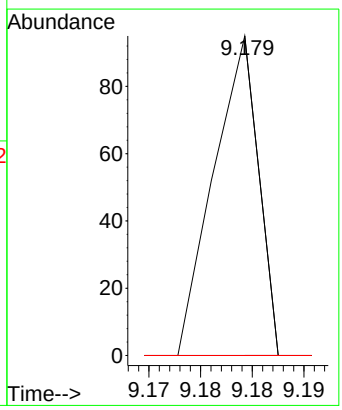


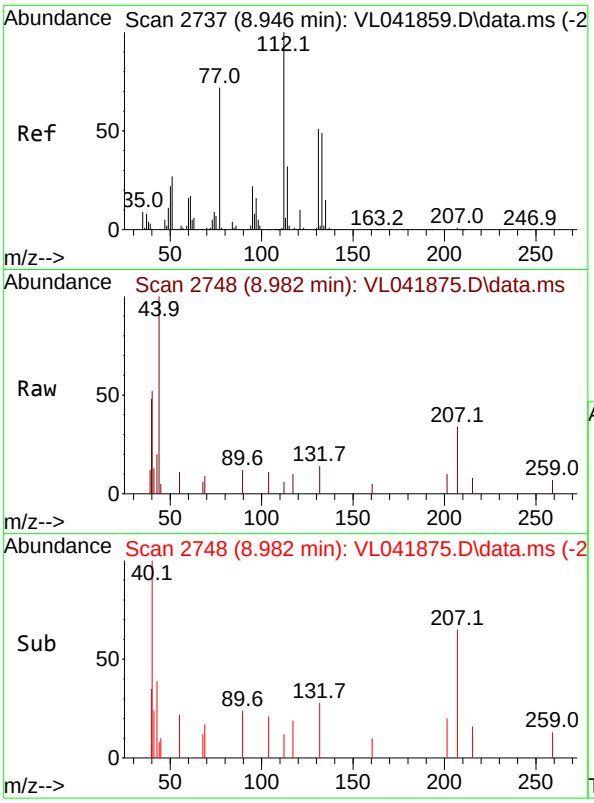


#56
1,1,1,2-Tetrachloroethane
Concen: 0.002 ppbv
RT: 9.179 min Scan# 2809
Delta R.T. 0.233 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion:131 Resp: 29

Ion	Ratio	Lower	Upper
131	100		
133	0.0	77.4	116.2#
119	0.0	49.4	74.0#



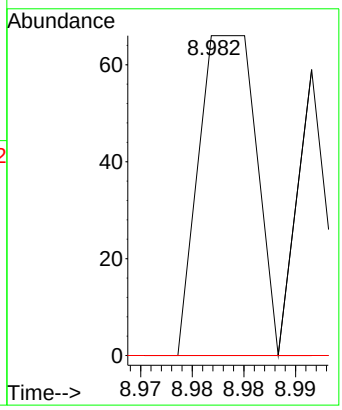


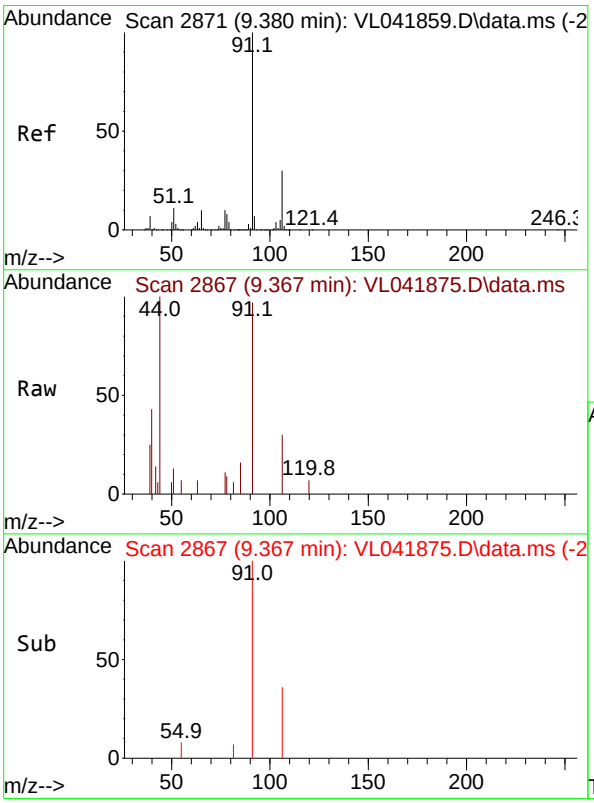
#57
Chlorobenzene
Concen: 0.001 ppbv
RT: 8.982 min Scan# 2
Delta R.T. 0.035 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion:112 Resp: 26

Ion	Ratio	Lower	Upper
112	100		
77	0.0	58.3	87.5#
114	0.0	28.9	35.3#

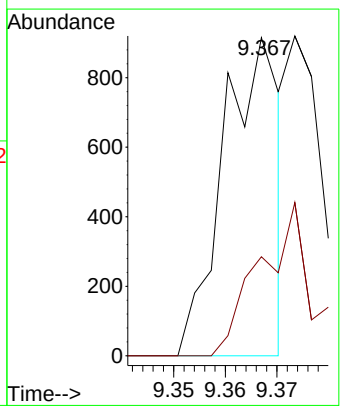


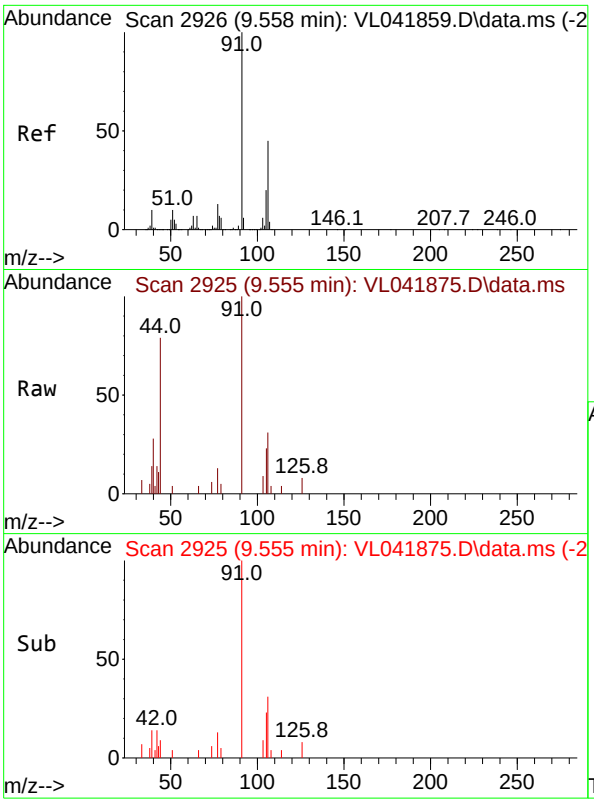


#58
Ethyl Benzene
Concen: 0.011 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. -0.013 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion: 91 Resp: 694

Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.2	36.2



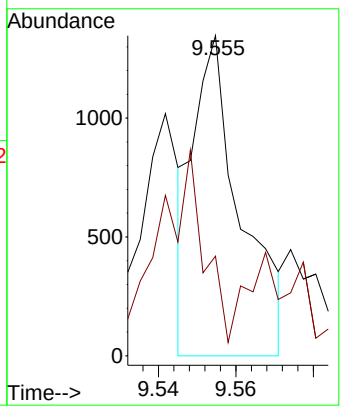


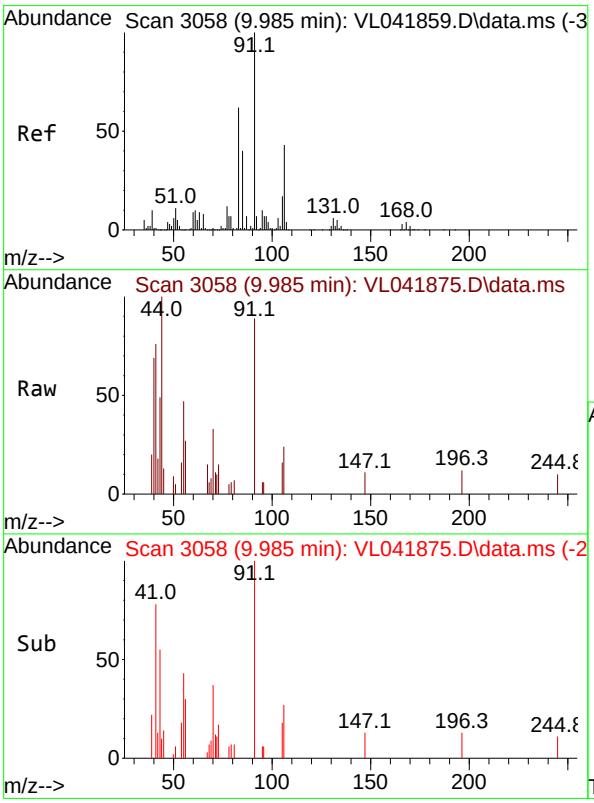
#59
m/p-Xylene
Concen: 0.022 ppbv
RT: 9.555 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion: 91 Resp: 1150

Ion	Ratio	Lower	Upper
91	100		
106	101.9	0.0	0.0#

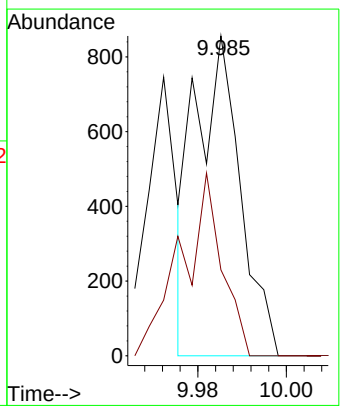


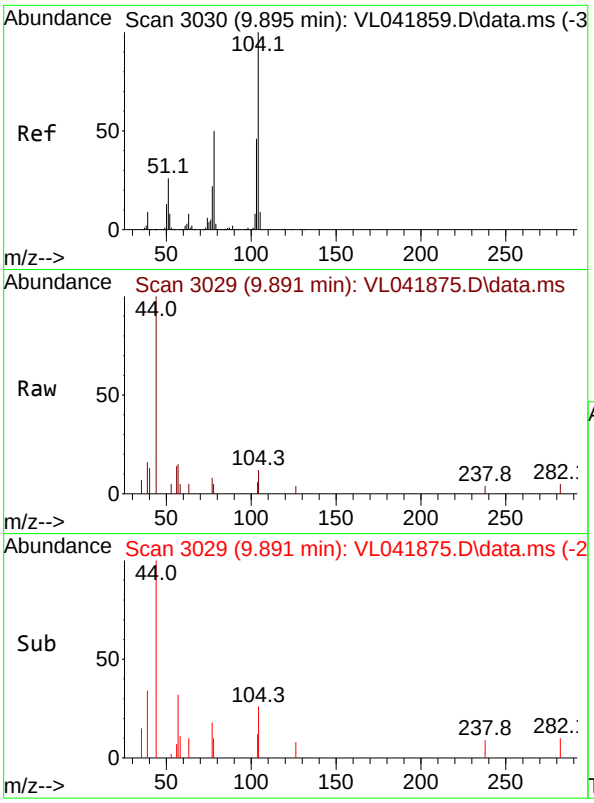


#60
o-Xylene
Concen: 0.012 ppbv
RT: 9.985 min Scan# 3058
Delta R.T. -0.000 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion: 91 Resp: 601

Ion	Ratio	Lower	Upper
91	100		
106	51.9	21.4	64.3



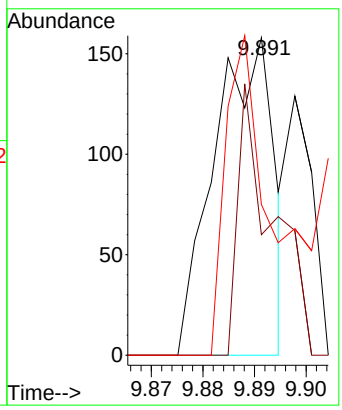


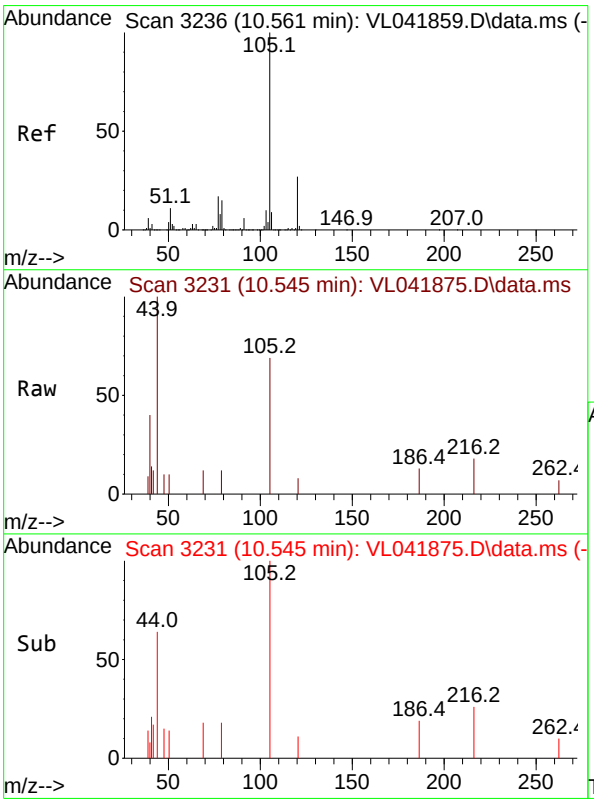
#61
Styrene
Concen: 0.005 ppbv
RT: 9.891 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion:104 Resp: 127

Ion	Ratio	Lower	Upper
104	100		
78	49.6	40.7	61.1
103	96.1	37.0	55.6#

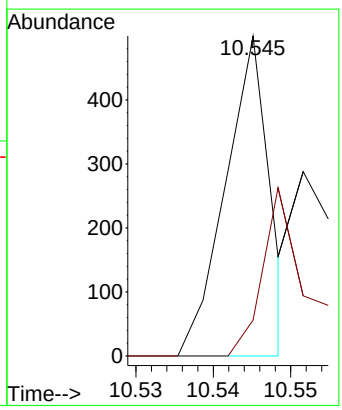


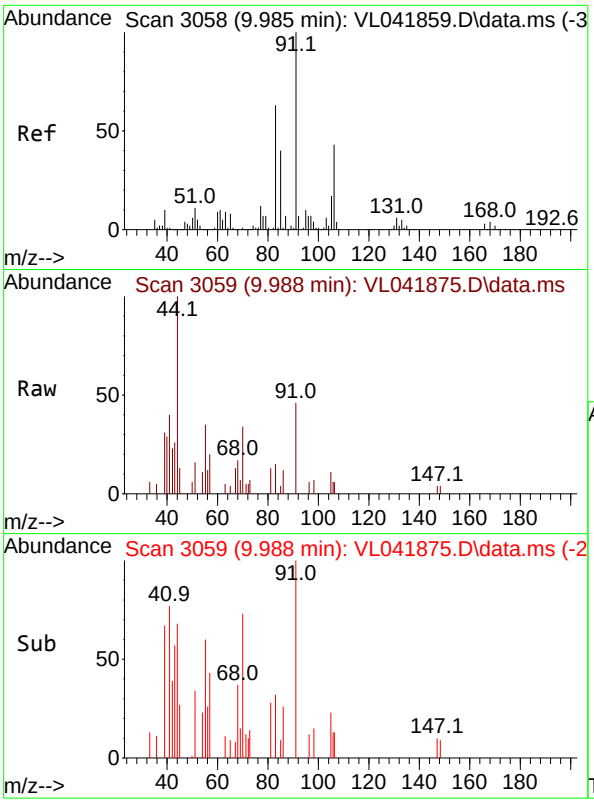


#62
Isopropylbenzene
Concen: 0.003 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. -0.016 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion:105 Resp: 200

Ion	Ratio	Lower	Upper
105	100		
120	62.0	20.3	30.5#



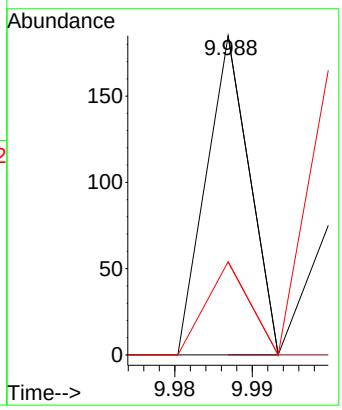


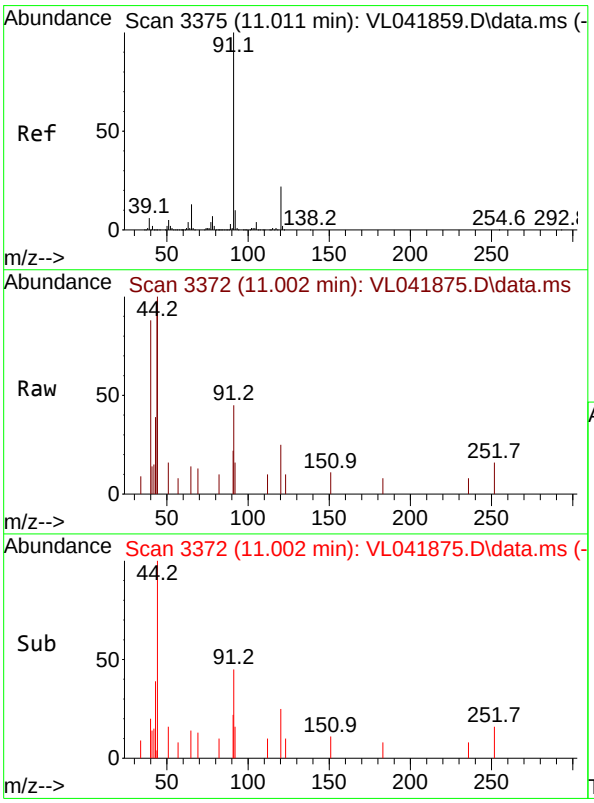
#63
1,1,2,2-Tetrachloroethane
Concen: 0.001 ppbv
RT: 9.988 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion: 83 Resp: 36

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.3#
85	0.0	32.1	96.3#

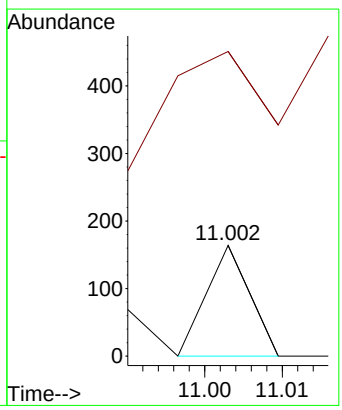


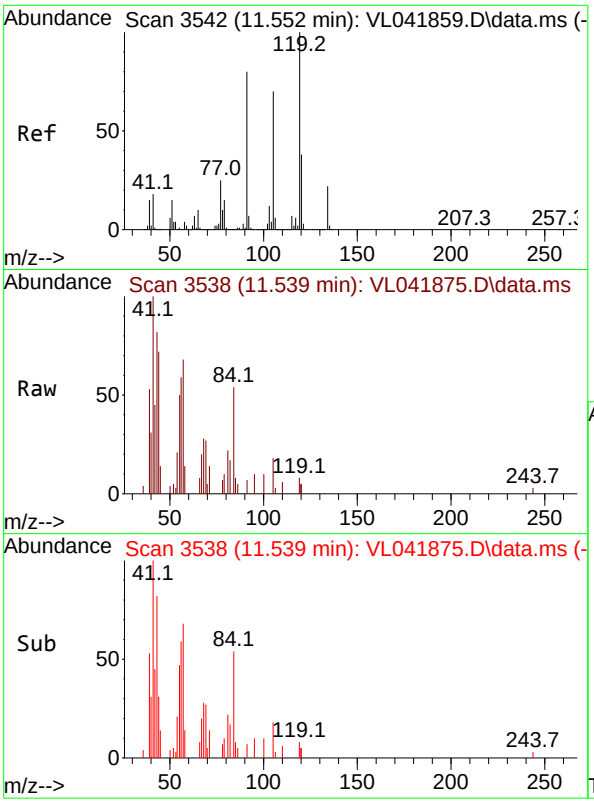


#64
n-propylbenzene
Concen: 0.002 ppbv
RT: 11.002 min Scan# 3372
Delta R.T. -0.010 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion:120 Resp: 32

Ion	Ratio	Lower	Upper
120	100		
91	2184.4	376.9	565.3#



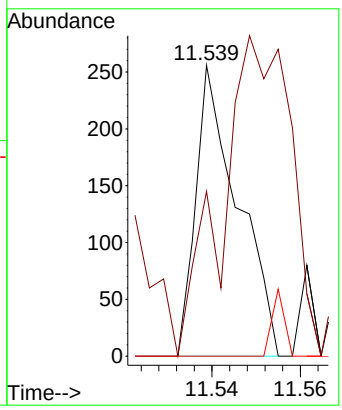


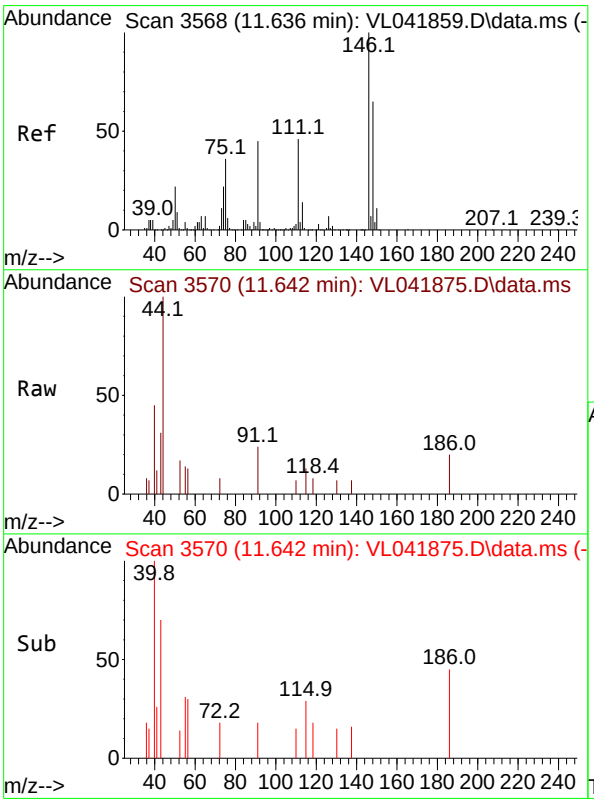
#65
tert-Butylbenzene
Concen: 0.002 ppbv
RT: 11.539 min Scan# 3
Delta R.T. -0.013 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion:119 Resp: 169

Ion	Ratio	Lower	Upper
119	100		
91	236.1	64.6	97.0#
134	0.0	16.9	25.3#

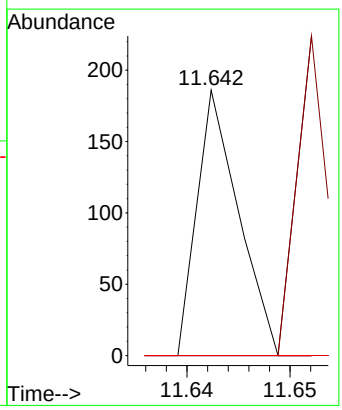


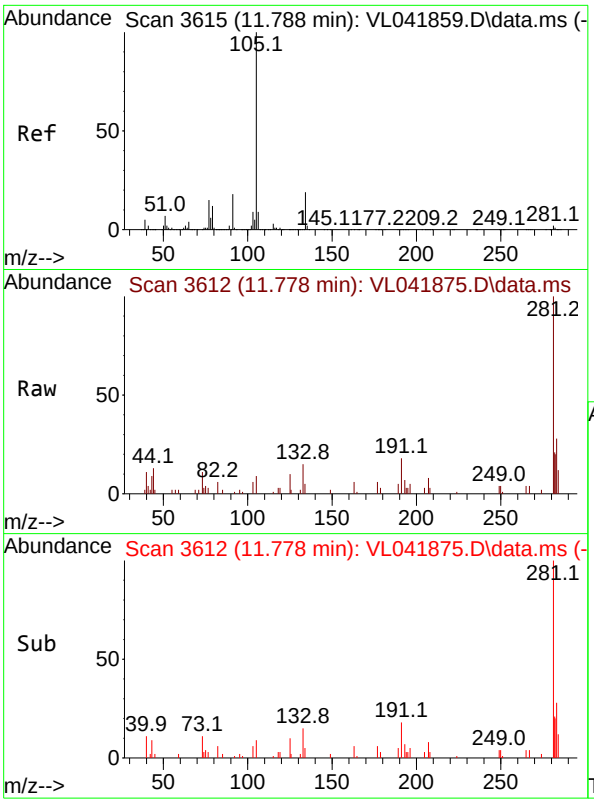


#66
Benzyl Chloride
Concen: 0.007 ppbv
RT: 11.642 min Scan# 3570
Delta R.T. 0.006 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion: 91 Resp: 52

Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.9	20.9#
128	0.0	4.8	7.2#



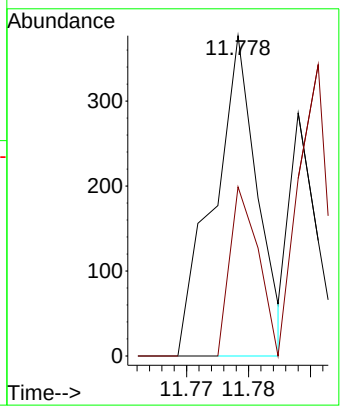


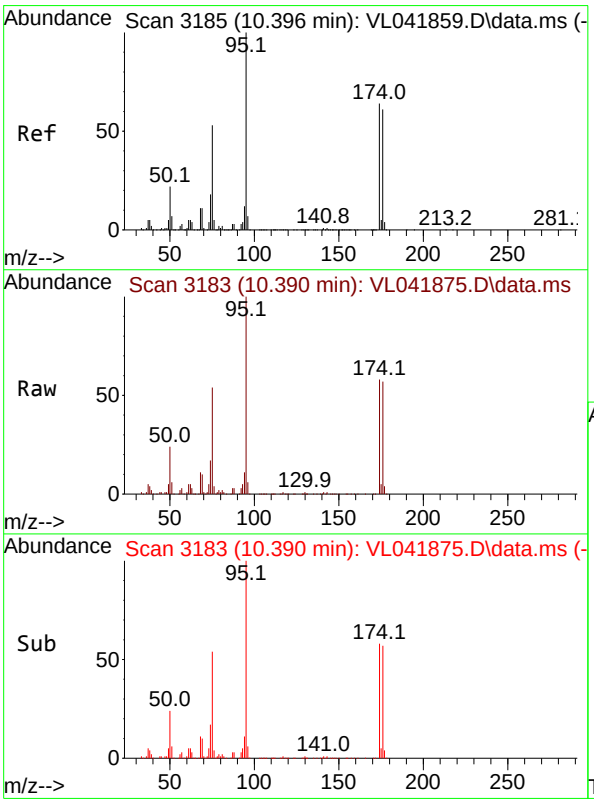
#67
sec-Butylbenzene
Concen: 0.002 ppbv
RT: 11.778 min Scan# 3
Delta R.T. -0.010 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion:105 Resp: 186

Ion	Ratio	Lower	Upper
105	100		
134	0.0	15.4	23.2#

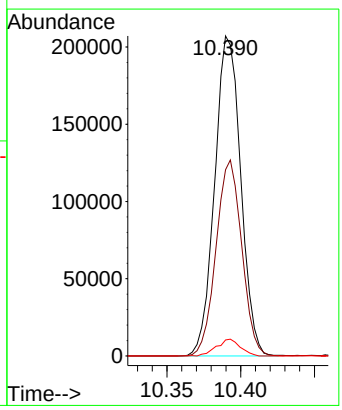


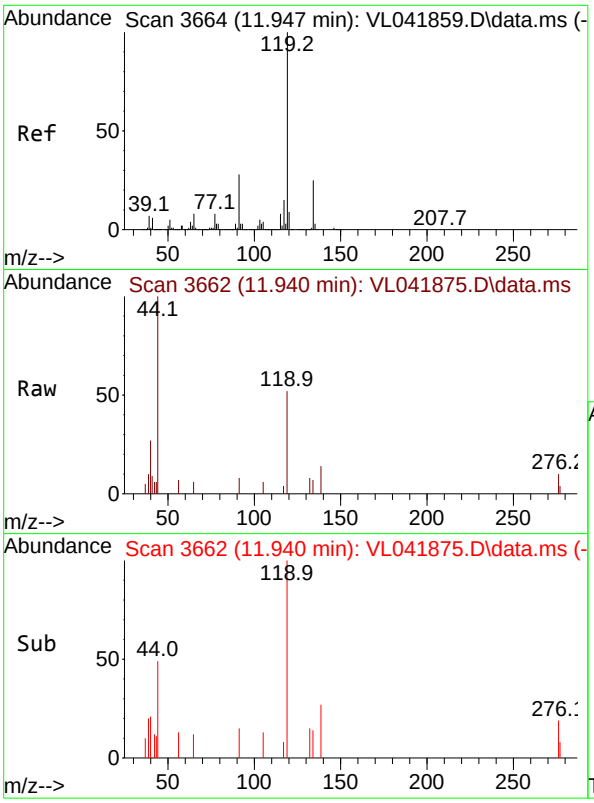


#68
1-Bromo-4-Fluorobenzene
Concen: 9.999 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. -0.007 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion: 95 Resp: 254476

Ion	Ratio	Lower	Upper
95	100		
174	60.4	51.1	76.7
175	4.8	3.8	5.8



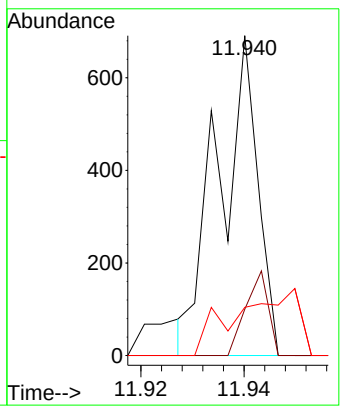


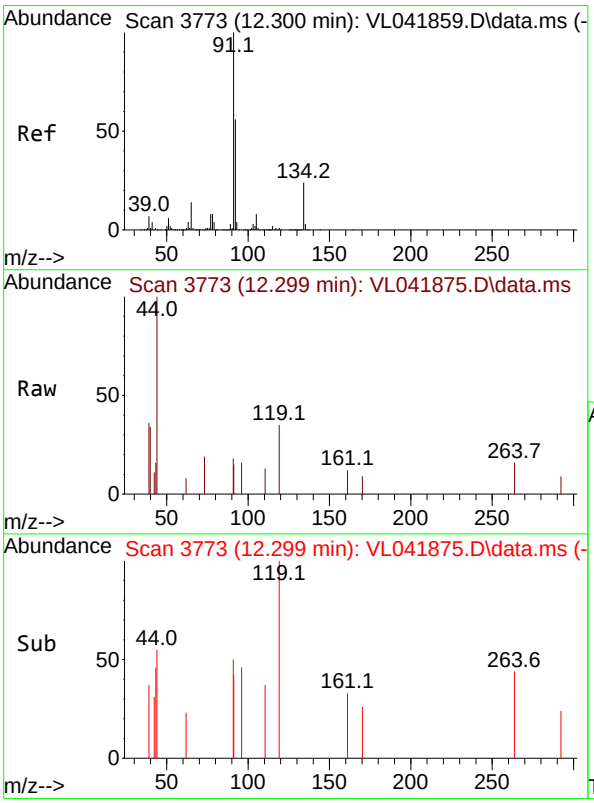
#69
p-Isopropyltoluene
Concen: 0.004 ppbv
RT: 11.940 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion:119 Resp: 365

Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.3	30.5#
91	33.4	22.6	34.0

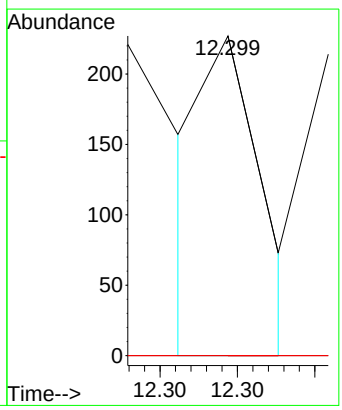


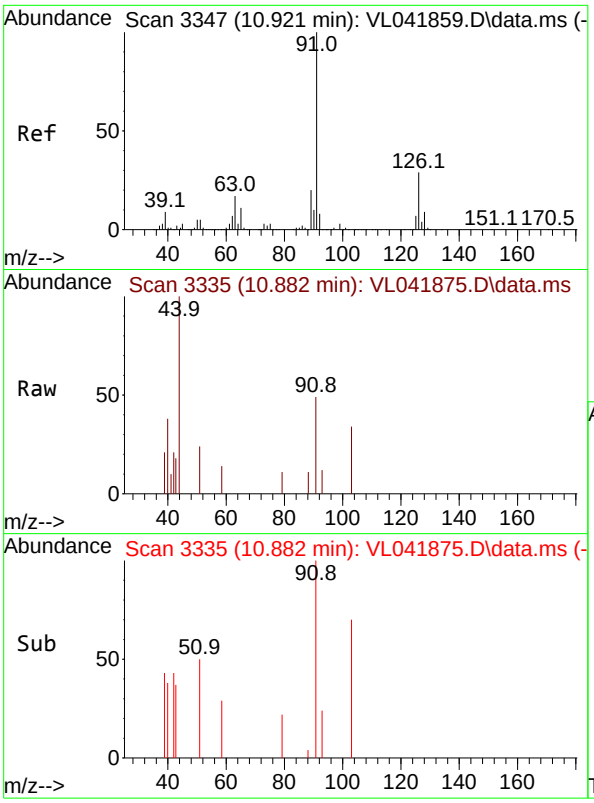


#70
n-Butylbenzene
Concen: 0.001 ppbv
RT: 12.299 min Scan# 3773
Delta R.T. -0.000 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion: 91 Resp: 58

Ion	Ratio	Lower	Upper
91	100		
92	0.0	43.8	65.8#
134	0.0	19.3	28.9#



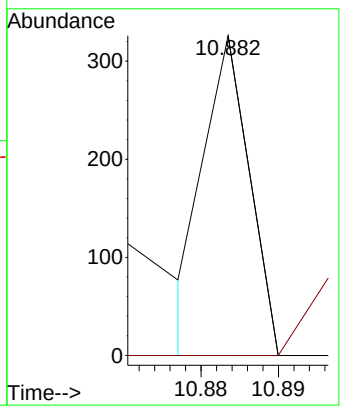


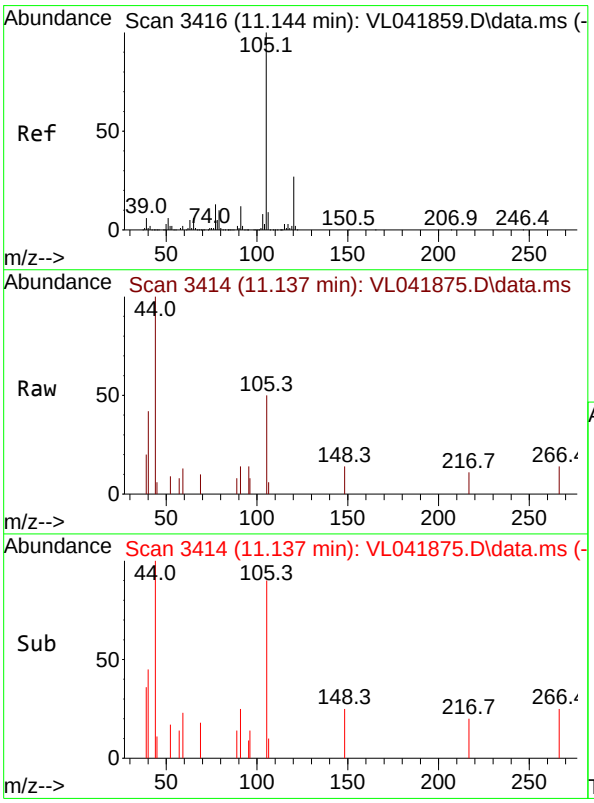
#71
2-Chlorotoluene
Concen: 0.001 ppbv
RT: 10.882 min Scan# 3
Delta R.T. -0.039 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion: 91 Resp: 63

Ion	Ratio	Lower	Upper
91	100		
126	0.0	11.6	46.6#

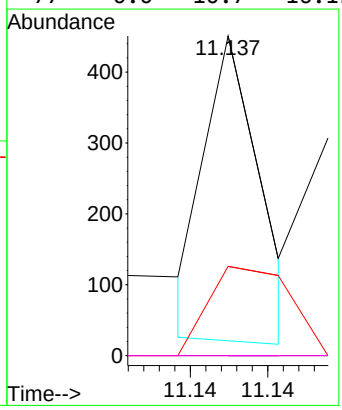


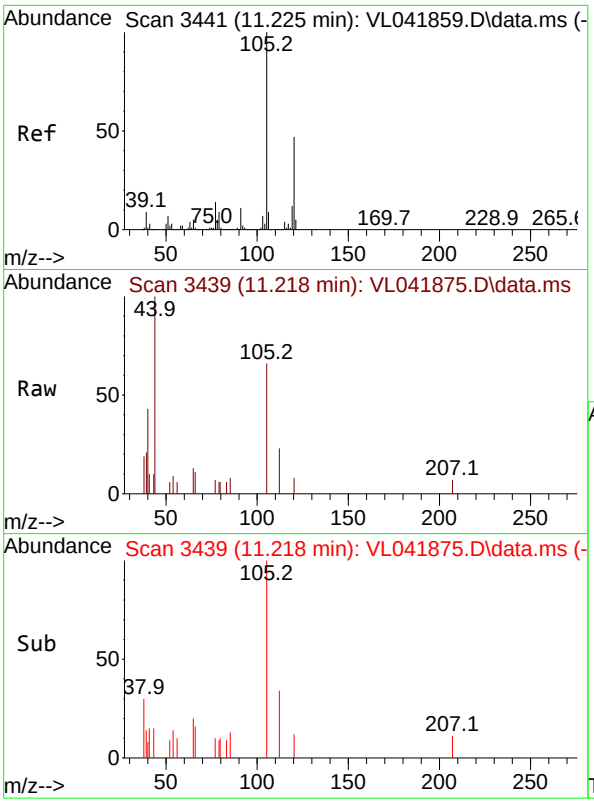


#72
4-Ethyltoluene
Concen: 0.002 ppbv
RT: 11.137 min Scan# 3414
Delta R.T. -0.007 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion:105 Resp: 106

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.5	35.3#
91	0.0	9.8	14.8#
77	0.0	10.7	16.1#



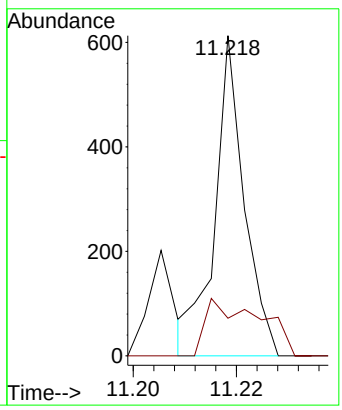


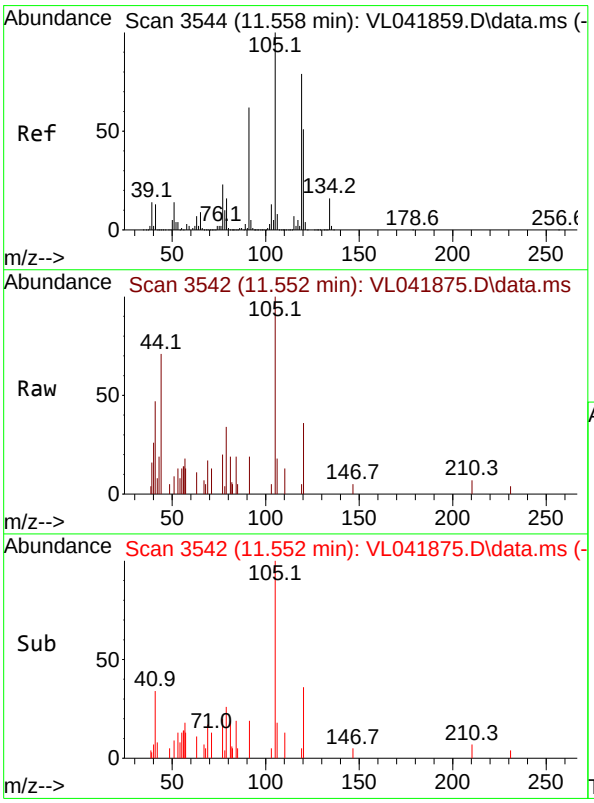
#73
1,3,5-Trimethylbenzene
Concen: 0.005 ppbv
RT: 11.218 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion:105 Resp: 241

Ion	Ratio	Lower	Upper
105	100		
120	11.7	37.2	55.8#

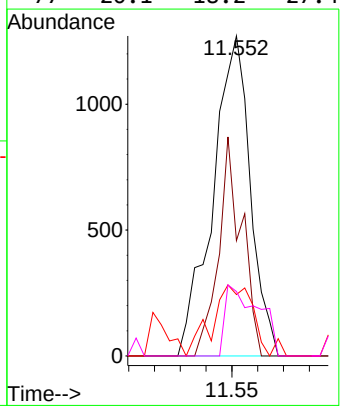


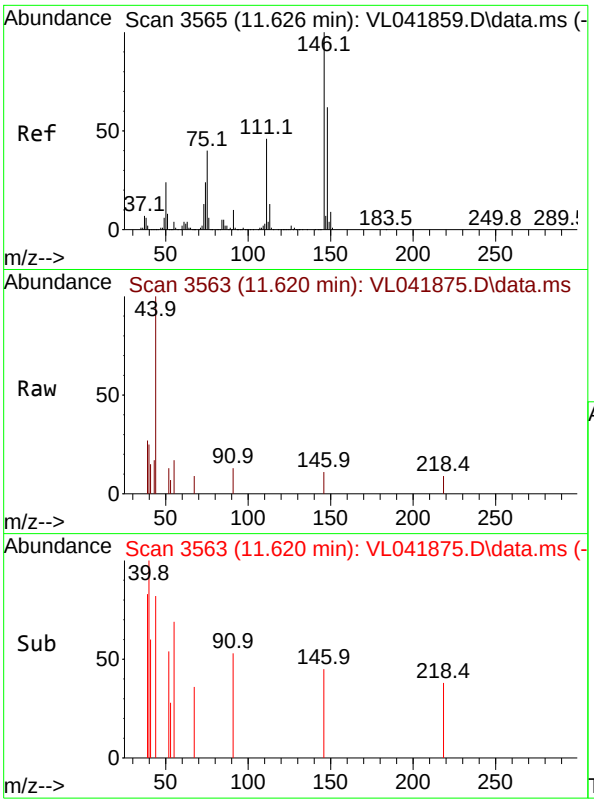


#74
1,2,4-Trimethylbenzene
Concen: 0.022 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. -0.007 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion:105 Resp: 1285

Ion	Ratio	Lower	Upper
105	100		
120	36.0	41.1	61.7#
91	13.8	50.0	75.0#
77	20.1	18.2	27.4



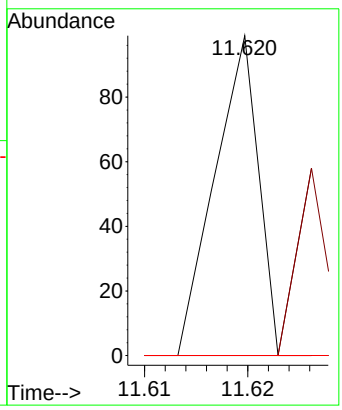


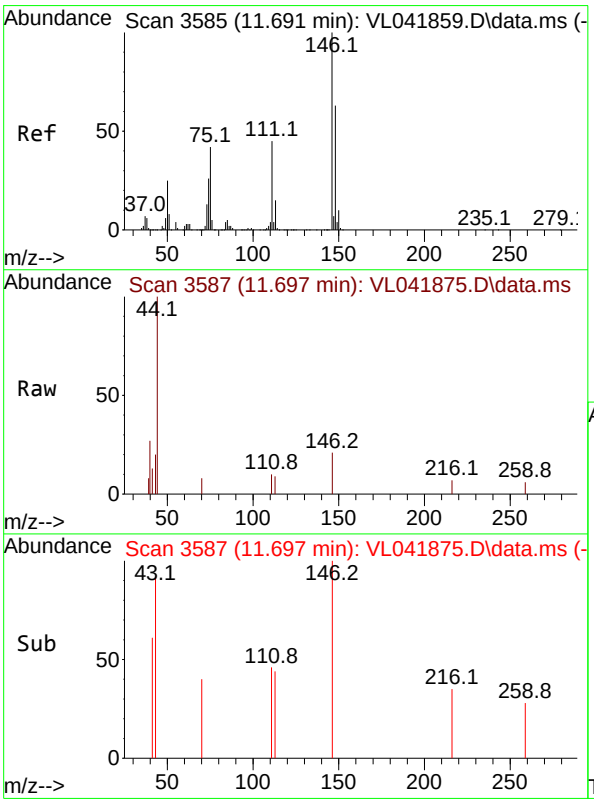
#75
1,3-Dichlorobenzene
Concen: 0.001 ppbv
RT: 11.620 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion:146 Resp: 29

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.2	69.5#
148	0.0	31.6	94.7#

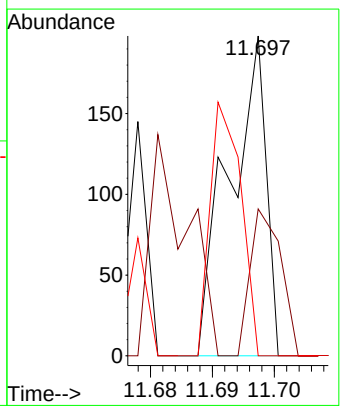


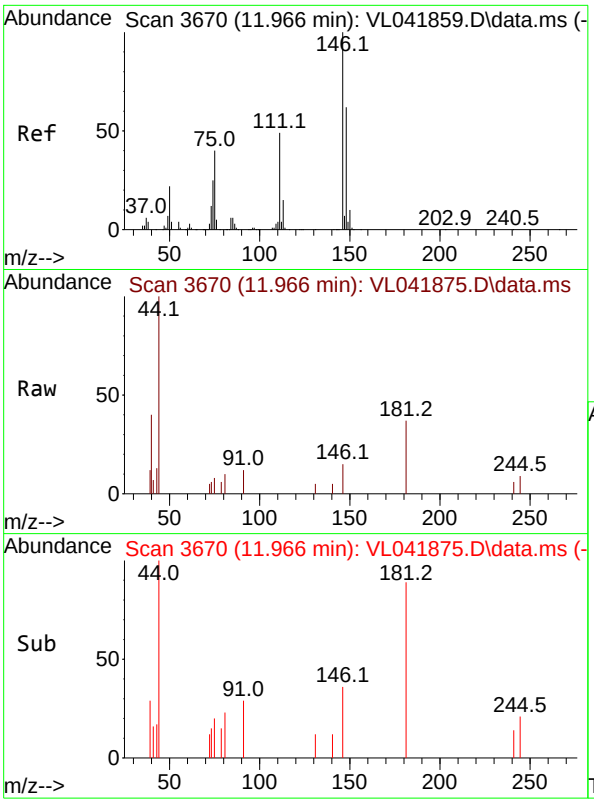


#76
1,4-Dichlorobenzene
Concen: 0.002 ppbv
RT: 11.697 min Scan# 3587
Delta R.T. 0.006 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion:146 Resp: 81

Ion	Ratio	Lower	Upper
146	100		
111	109.9	22.1	66.1#
148	85.2	31.2	93.6



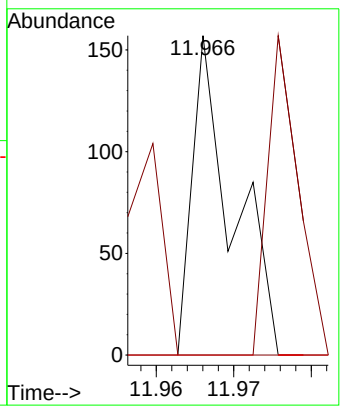


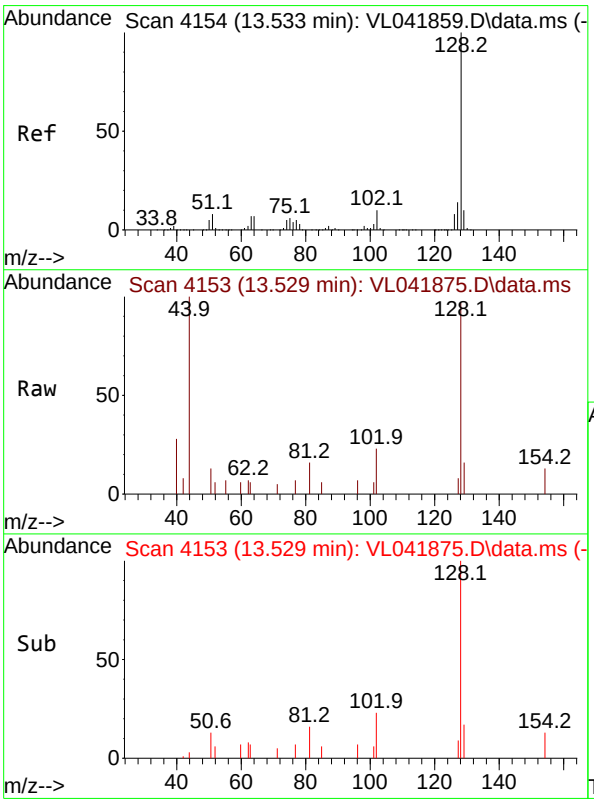
#77
1,2-Dichlorobenzene
Concen: 0.002 ppbv
RT: 11.966 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion:146 Resp: 57

Ion	Ratio	Lower	Upper
146	100		
111	135.1	24.1	72.3#
148	43.9	31.5	94.5

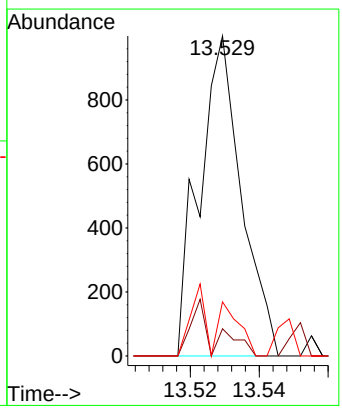


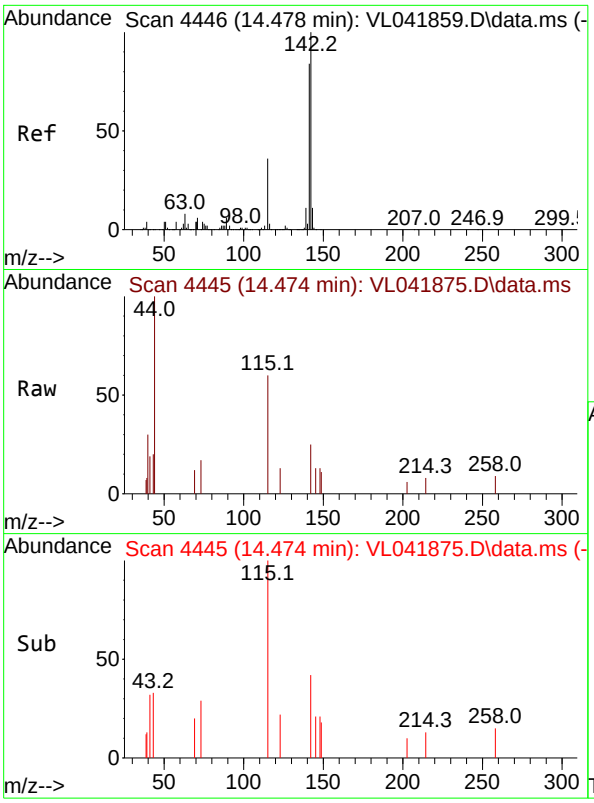


#79
Naphthalene
Concen: 0.014 ppbv
RT: 13.529 min Scan# 4153
Delta R.T. -0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion:128 Resp: 850

Ion	Ratio	Lower	Upper
128	100		
127	8.5	10.8	16.2#
129	16.9	8.2	12.4#



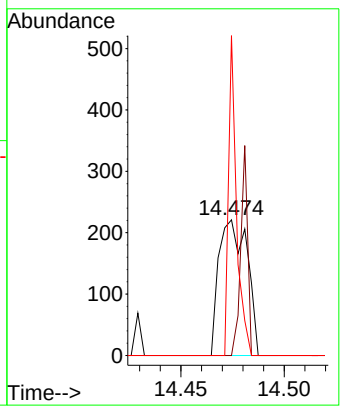


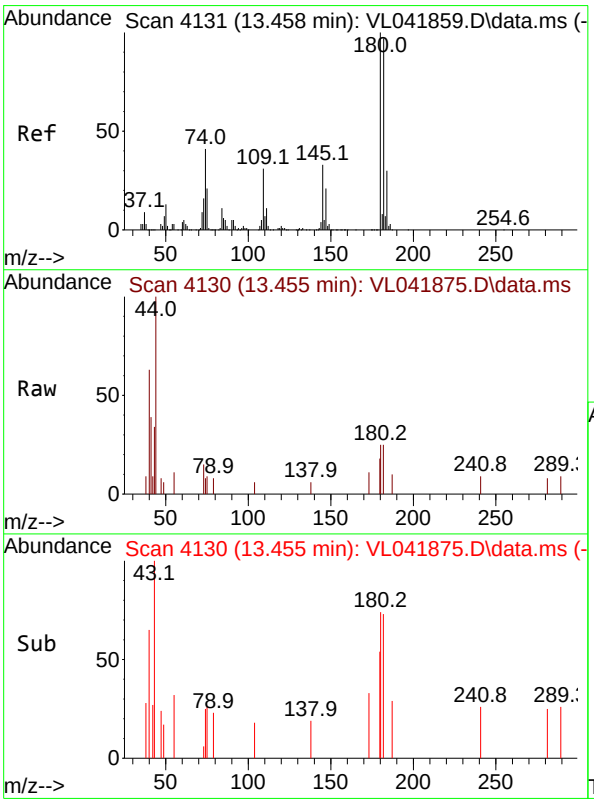
#80
Naphthalene,2-methyl-
Concen: 0.006 ppbv
RT: 14.474 min Scan# 44
Delta R.T. -0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP

Tgt Ion:142 Resp: 209

Ion	Ratio	Lower	Upper
142	100		
141	37.8	68.2	102.4#
115	67.5	29.4	44.2#





#81
1,2,4-Trichlorobenzene
Concen: 0.009 ppbv
RT: 13.455 min Scan# 4130
Delta R.T. -0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

Tgt Ion:180 Resp: 280

Ion	Ratio	Lower	Upper
180	100		
182	62.9	75.8	113.8#
184	0.0	24.1	36.1#