Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
Data File : VL041871.D
Acq On : 09 Jan 2025 18:02
Operator : SY/MD
Sample : VIBLK
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jan 10 01:43:38 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	2.797	49	121251	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	368065	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	330684	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	267140	10.075	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	250	0.013	ppbv #	68
3) Chlorodifluoromethane	1.476	51	356	0.016	ppbv #	60
4) Chloromethane	1.537	50	72	0.009	ppbv #	67
5) Vinyl Chloride	1.537	62	54	0.007	ppbv #	45
6) Bromomethane	1.673	94	120	0.031	ppbv #	3
7) Chloroethane	1.716	64	92	0.029	ppbv #	1
8) Dichlorotetrafluoroethane	1.557	85	36	0.002	ppbv #	17
9) Propene	1.758	41	153	0.015	ppbv	89
10) Heptane	5.004	43	124	0.005	ppbv #	27
11) Trichlorofluoromethane	1.874	101	76	0.004	ppbv #	17
12) 1,1,2-Trichlorotrifluo...	2.152	101	25	0.002	ppbv #	12
13) Ethanol	1.728	45	1839	2.838	ppbv	91
14) Bromoethene	1.790	108	26	0.004	ppbv #	1
15) Acetone	1.842	43	2916	0.143	ppbv #	68
16) 1,3-Butadiene	1.612	39	151	0.017	ppbv #	12
17) tert-Butyl alcohol	2.049	59	27	0.001	ppbv #	1
18) 1,1-Dichloroethene	2.049	96	50	0.007	ppbv #	1
19) Isopropyl Alcohol	1.897	45	1501	0.140	ppbv #	47
20) Methylene Chloride	2.072	84	1151	0.165	ppbv #	78
21) Allyl Chloride	2.107	41	363	0.028	ppbv #	18
22) trans-1,2-Dichloroethene	2.350	96	34	0.004	ppbv #	1
23) Vinyl Acetate	2.479	43	61	0.006	ppbv #	1
24) 1,1-Dichloroethane	2.418	63	87	0.005	ppbv #	88
25) Ethyl Acetate	2.848	43	88	0.002	ppbv #	74
26) Hexane	2.835	57	383	0.018	ppbv #	60
27) Carbon Disulfide	2.159	76	39	0.002	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	37	0.002	ppbv #	54
29) Chloroform	2.473	83	63	0.002	ppbv	96
30) Cyclohexane	3.968	84	139	0.008	ppbv #	1
31) cis-1,2-Dichloroethene	2.735	61	66	0.003	ppbv #	61
32) 1,1,1-Trichloroethane	3.628	97	55	0.002	ppbv #	66
34) 2-Butanone	2.563	43	155	0.005	ppbv #	1
35) Carbon Tetrachloride	4.023	117	29	0.001	ppbv #	12
36) Benzene	3.677	78	208	0.005	ppbv #	67
37) 1,2-Dichloroethane	3.065	62	55	0.002	ppbv #	1
38) Trichloroethene	4.392	130	28	0.002	ppbv #	3
39) 1,2-Dichloropropane	3.975	63	90656	5.968	ppbv #	22
40) 1,4-Dioxane	4.661	88	13	0.002	ppbv #	17
41) Tetrahydrofuran	3.065	42	104	0.006	ppbv #	37
42) Bromodichloromethane	4.499	83	46	0.001	ppbv #	26
43) Methyl Methacrylate	4.923	69	62	0.004	ppbv #	1
44) 2,2,4-Trimethylpentane	4.790	57	58	0.001	ppbv #	1
45) t-1,3-Dichloropropene	6.321	75	20	0.001	ppbv #	45

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
Data File : VL041871.D
Acq On : 09 Jan 2025 18:02
Operator : SY/MD
Sample : VIBLK
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jan 10 01:43:38 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)
47)	1,1,2-Trichloroethane	6.600	97	28	0.002	ppbv	#	15
48)	Dibromochloromethane	7.402	129	58	0.002	ppbv		72
49)	Bromoform	9.493	173	22	0.001	ppbv	#	1
50)	4-Methyl-2-Pentanone	5.784	43	11	0.000	ppbv	#	38
51)	2-Hexanone	7.441	43	98	0.003	ppbv	#	28
53)	Toluene	6.949	91	154	0.003	ppbv		100
54)	1,2-Dibromoethane	7.684	107	56	0.003	ppbv	#	3
56)	1,1,1,2-Tetrachloroethane	8.953	131	29	0.001	ppbv	#	1
57)	Chlorobenzene	8.940	112	77	0.002	ppbv	#	22
58)	Ethyl Benzene	9.360	91	87	0.001	ppbv		93
59)	m/p-Xylene	9.545	91	85	0.002	ppbv	#	100
60)	o-Xylene	9.985	91	273	0.005	ppbv	#	33
61)	Styrene	9.878	104	146	0.005	ppbv	#	28
62)	Isopropylbenzene	10.561	105	293	0.004	ppbv	#	56
63)	1,1,2,2-Tetrachloroethane	9.956	83	23	0.001	ppbv	#	25
64)	n-propylbenzene	10.998	120	22	0.001	ppbv	#	1
65)	tert-Butylbenzene	11.542	119	219	0.003	ppbv	#	43
66)	Benzyl Chloride	11.552	91	95	0.013	ppbv	#	66
67)	sec-Butylbenzene	11.778	105	233	0.002	ppbv	#	1
69)	p-Isopropyltoluene	11.937	119	543	0.006	ppbv	#	48
70)	n-Butylbenzene	12.293	91	477	0.006	ppbv		96
71)	2-Chlorotoluene	10.904	91	139	0.002	ppbv	#	59
72)	4-Ethyltoluene	11.137	105	215	0.003	ppbv	#	55
73)	1,3,5-Trimethylbenzene	11.218	105	275	0.005	ppbv	#	49
74)	1,2,4-Trimethylbenzene	11.552	105	232	0.004	ppbv	#	72
75)	1,3-Dichlorobenzene	11.616	146	276	0.008	ppbv	#	53
76)	1,4-Dichlorobenzene	11.675	146	396	0.011	ppbv	#	24
77)	1,2-Dichlorobenzene	11.956	146	231	0.007	ppbv	#	23
78)	Hexachloro-1,3-Butadiene	13.889	225	120	0.004	ppbv	#	1
79)	Naphthalene	13.529	128	2193	0.034	ppbv	#	83
80)	Naphthalene,2-methyl-	14.471	142	1661	0.047	ppbv		92
81)	1,2,4-Trichlorobenzene	13.448	180	1252	0.040	ppbv		89

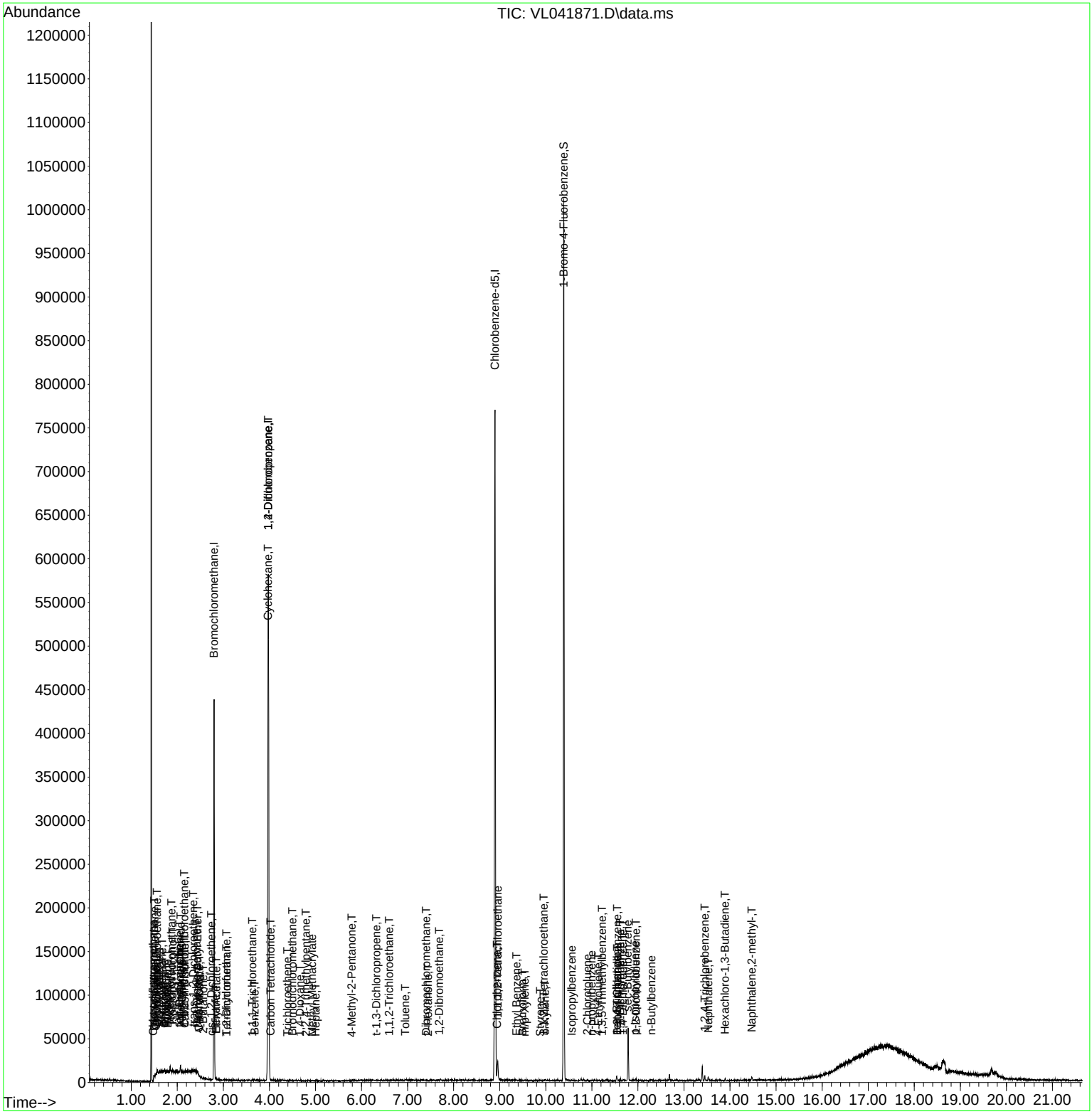
(#) = qualifier out of range (m) = manual integration (+) = signals summed

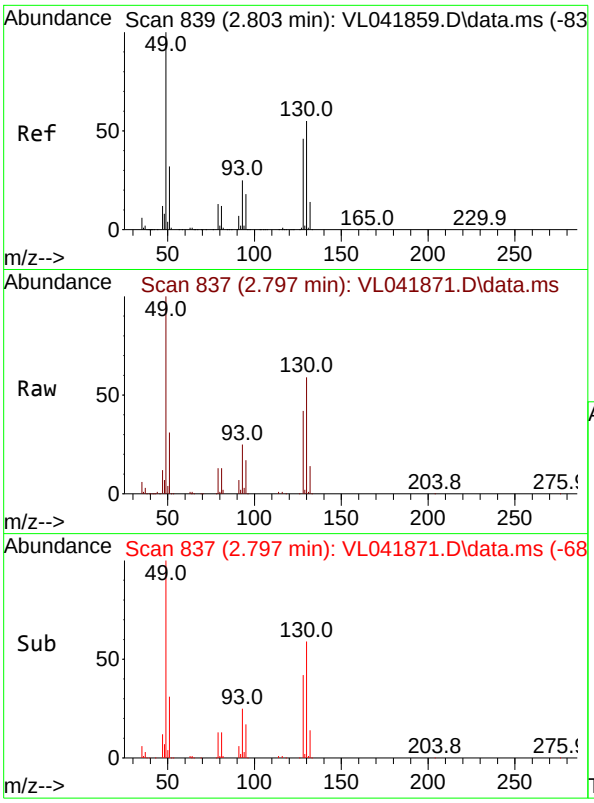
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
Data File : VL041871.D
Acq On : 09 Jan 2025 18:02
Operator : SY/MD
Sample : VIBLK
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jan 10 01:43:38 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



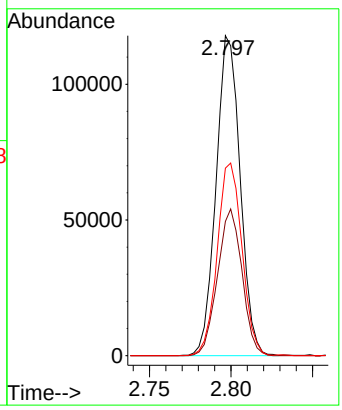


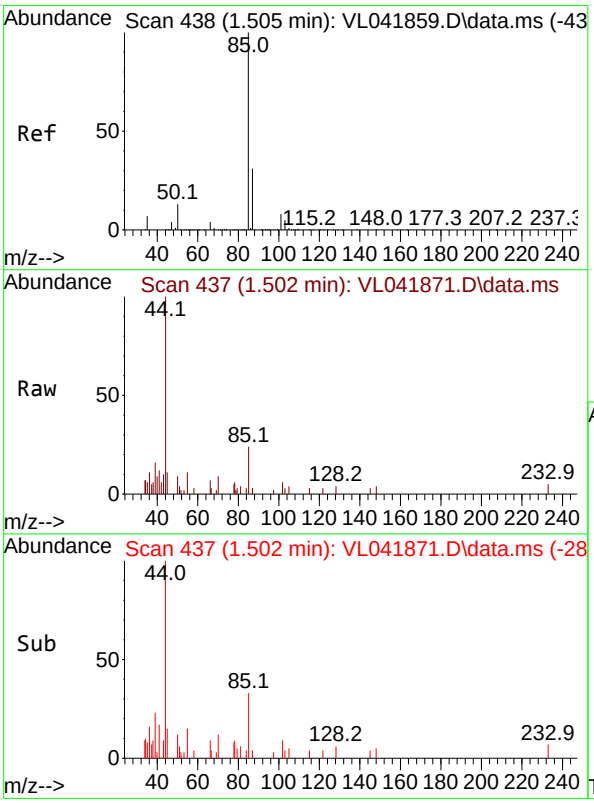
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 8
Delta R.T. -0.006 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 121251

Ion	Ratio	Lower	Upper
49	100		
128	46.5	23.2	69.5
130	61.9	29.9	89.8

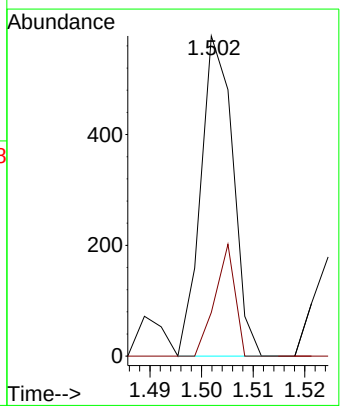


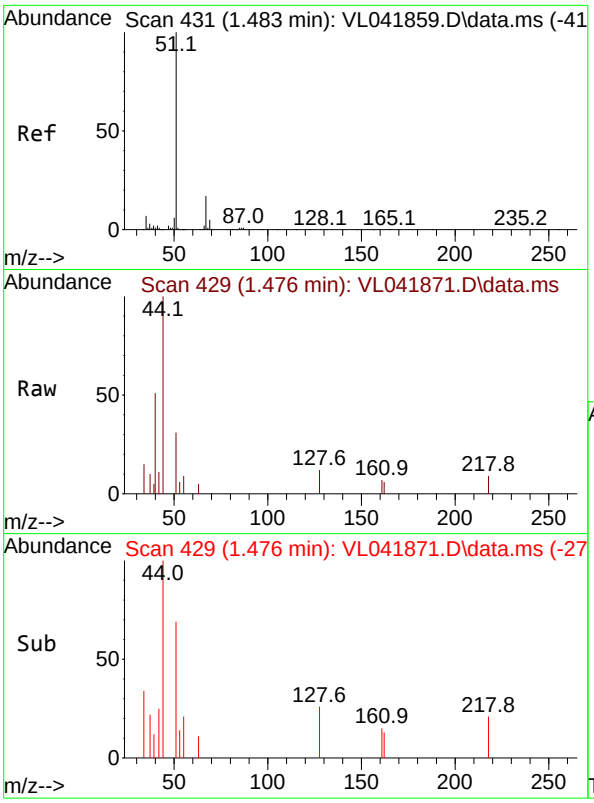


#2
Dichlorodifluoromethane
Concen: 0.013 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.003 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion: 85 Resp: 250

Ion	Ratio	Lower	Upper
85	100		
87	13.7	25.2	37.8#



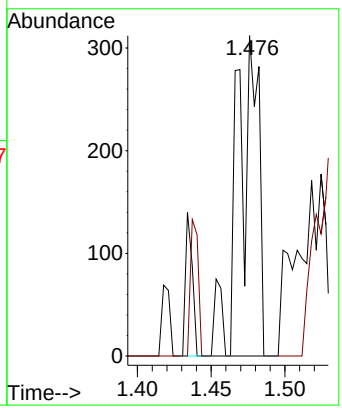


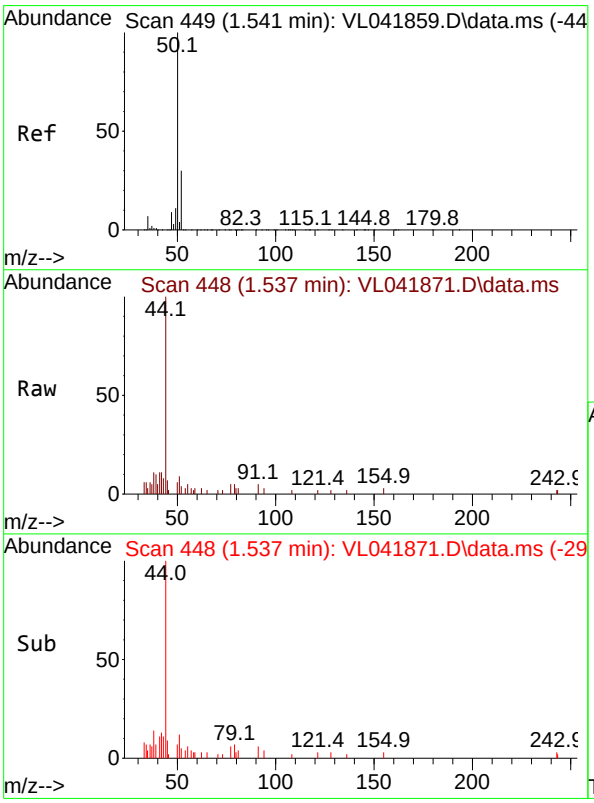
#3
Chlorodifluoromethane
Concen: 0.016 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.007 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 356

Ion	Ratio	Lower	Upper
51	100		
67	0.0	13.8	20.8#

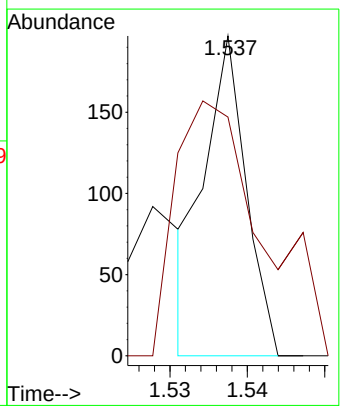


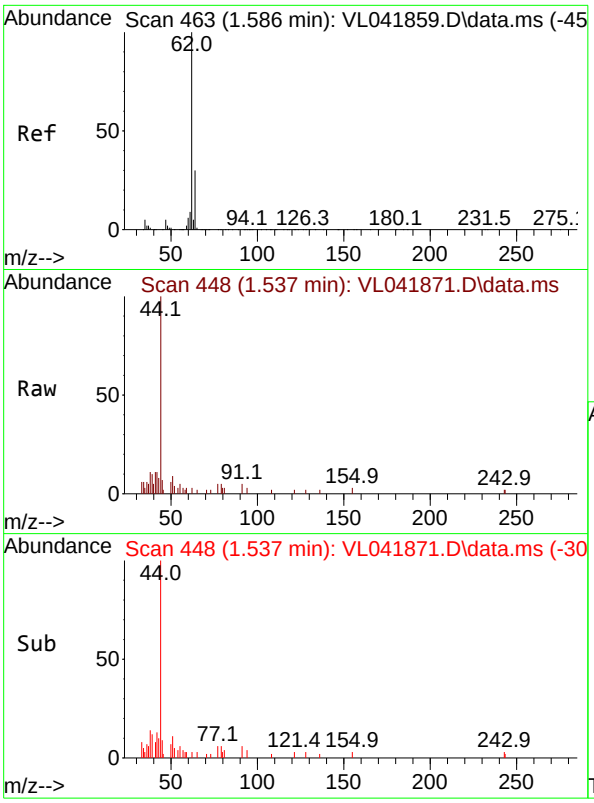


#4
Chloromethane
Concen: 0.009 ppbv
RT: 1.537 min Scan# 448
Delta R.T. -0.003 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion: 50 Resp: 72

Ion	Ratio	Lower	Upper
50	100		
52	47.7	23.9	35.9#



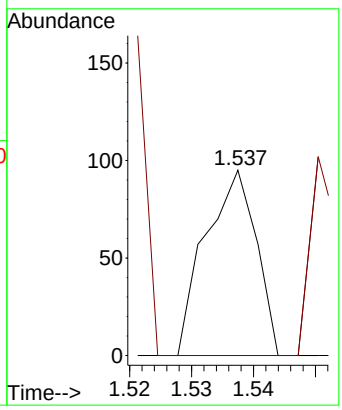


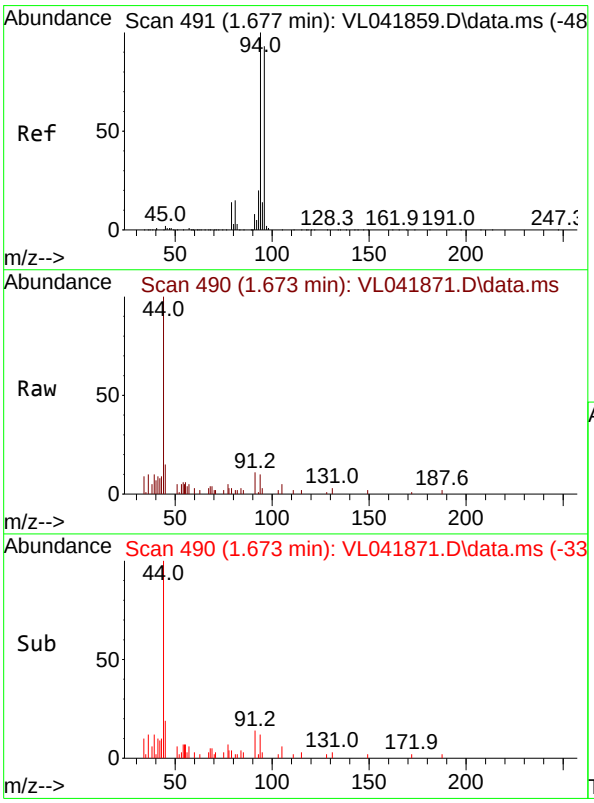
#5
Vinyl Chloride
Concen: 0.007 ppbv
RT: 1.537 min Scan# 44
Delta R.T. -0.049 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 54

Ion	Ratio	Lower	Upper
62	100		
64	0.0	24.1	36.1#

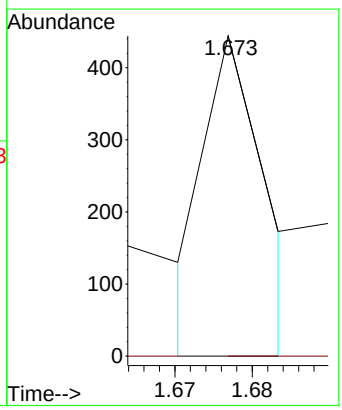


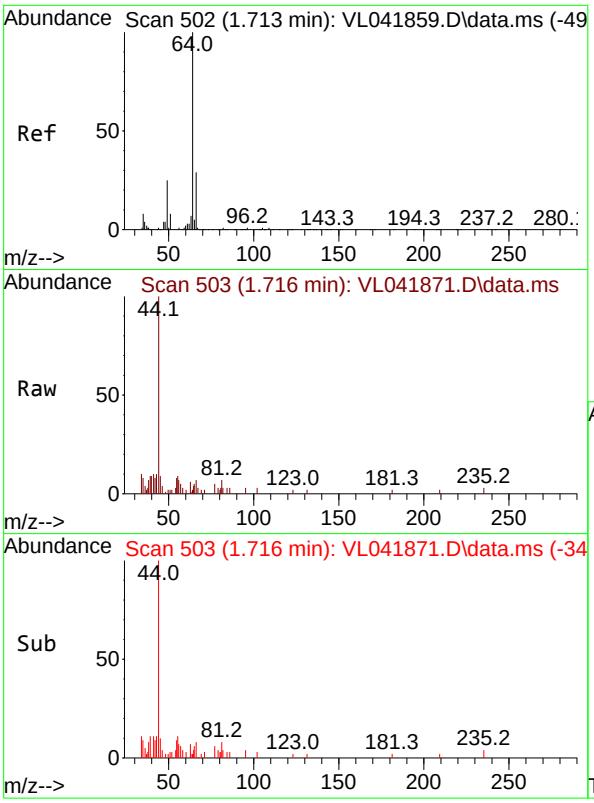


#6
Bromomethane
Concen: 0.031 ppbv
RT: 1.673 min Scan# 490
Delta R.T. -0.003 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion: 94 Resp: 120

Ion	Ratio	Lower	Upper
94	100		
96	0.0	74.8	112.2#



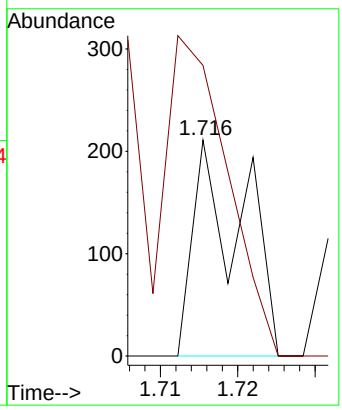


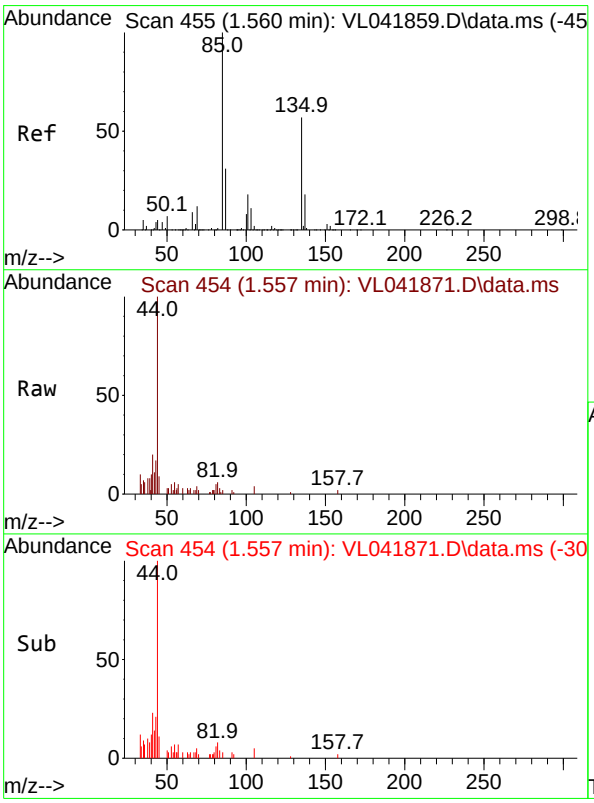
#7
Chloroethane
Concen: 0.029 ppbv
RT: 1.716 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 92

Ion	Ratio	Lower	Upper
64	100		
66	134.6	23.0	34.6#

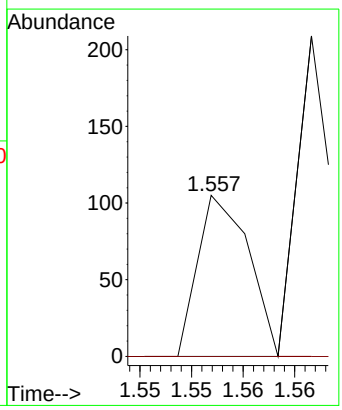


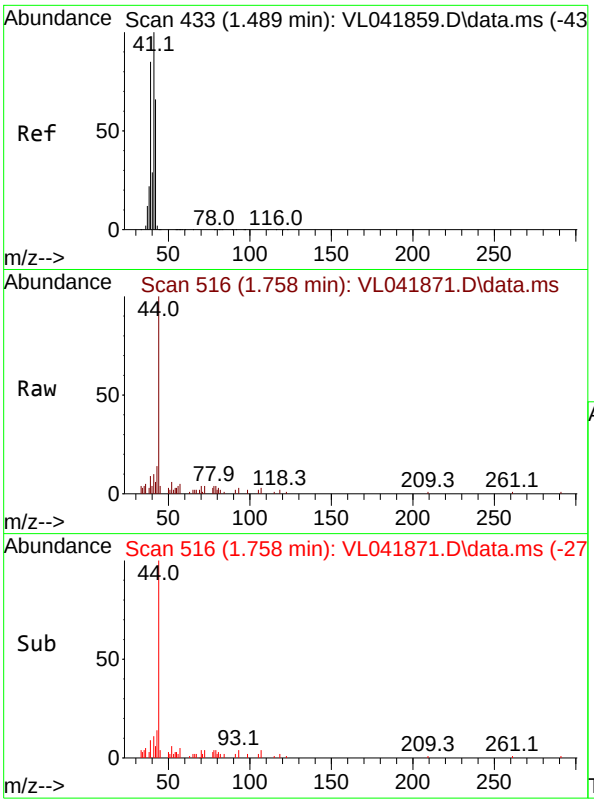


#8
Dichlorotetrafluoroethane
Concen: 0.002 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.003 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion: 85 Resp: 36

Ion	Ratio	Lower	Upper
85	100		
135	0.0	52.2	78.4#



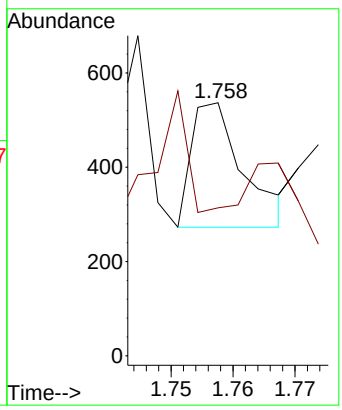


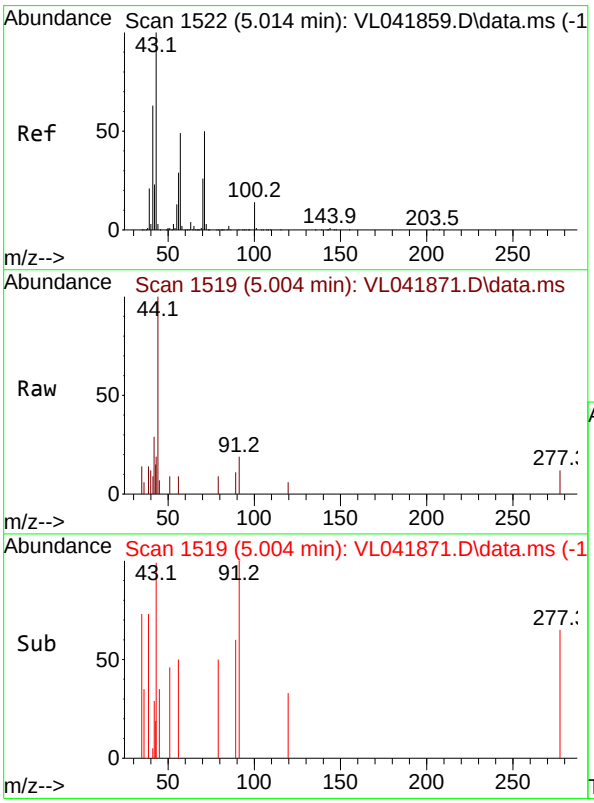
#9
Propene
Concen: 0.015 ppbv
RT: 1.758 min Scan# 5
Delta R.T. 0.268 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 153

Ion	Ratio	Lower	Upper
41	100		
42	75.2	53.0	79.6

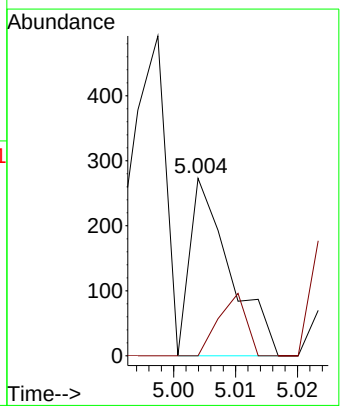


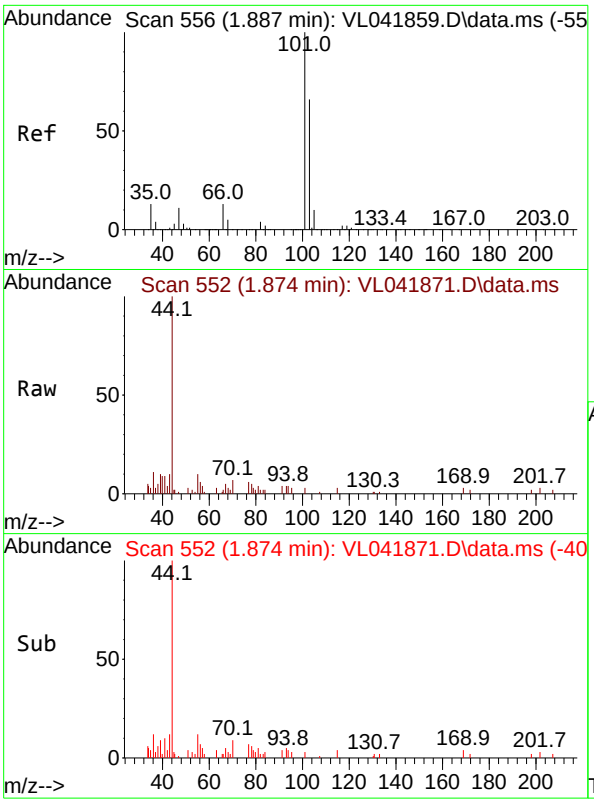


#10
Heptane
Concen: 0.005 ppbv
RT: 5.004 min Scan# 1519
Delta R.T. -0.010 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion: 43 Resp: 124

Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.2	60.2#



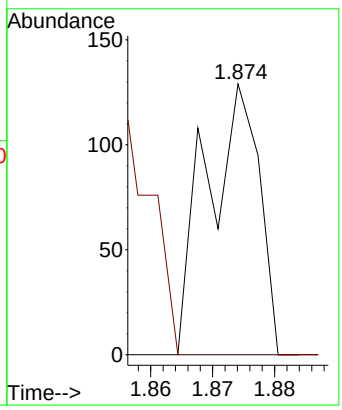


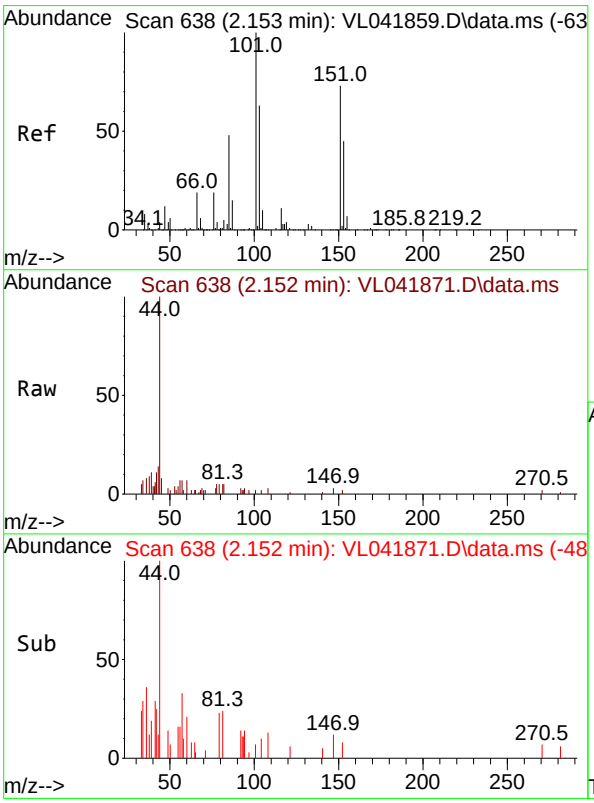
#11
Trichlorofluoromethane
Concen: 0.004 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.013 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 76

Ion	Ratio	Lower	Upper
101	100		
103	0.0	52.6	78.8#

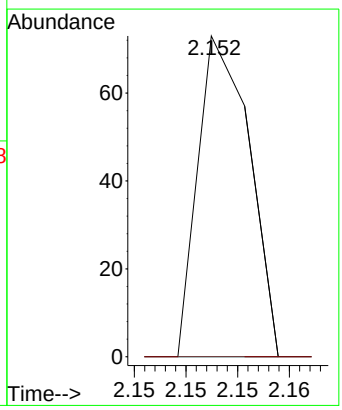


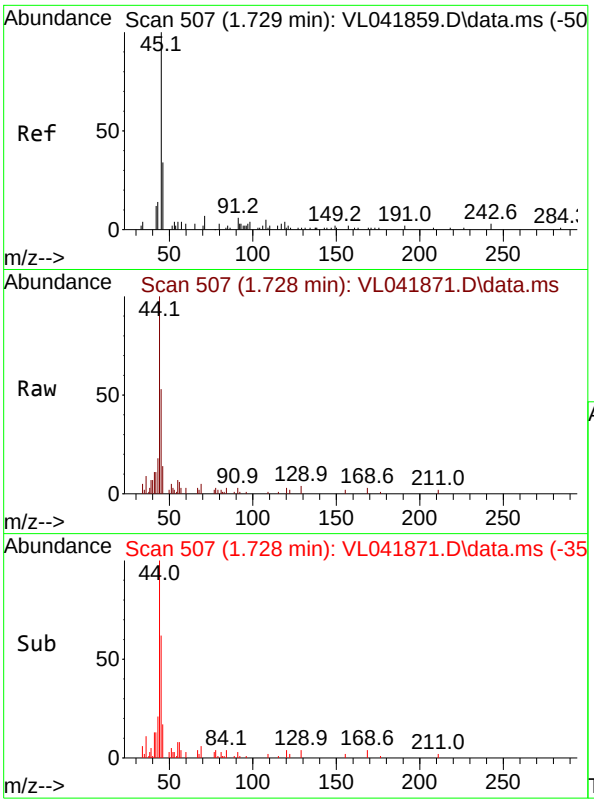


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.002 ppbv
RT: 2.152 min Scan# 638
Delta R.T. -0.000 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion:101 Resp: 25

Ion	Ratio	Lower	Upper
101	100		
151	0.0	59.4	89.0#



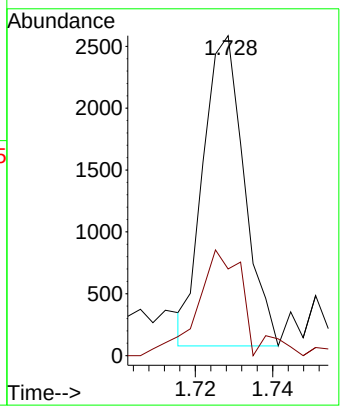


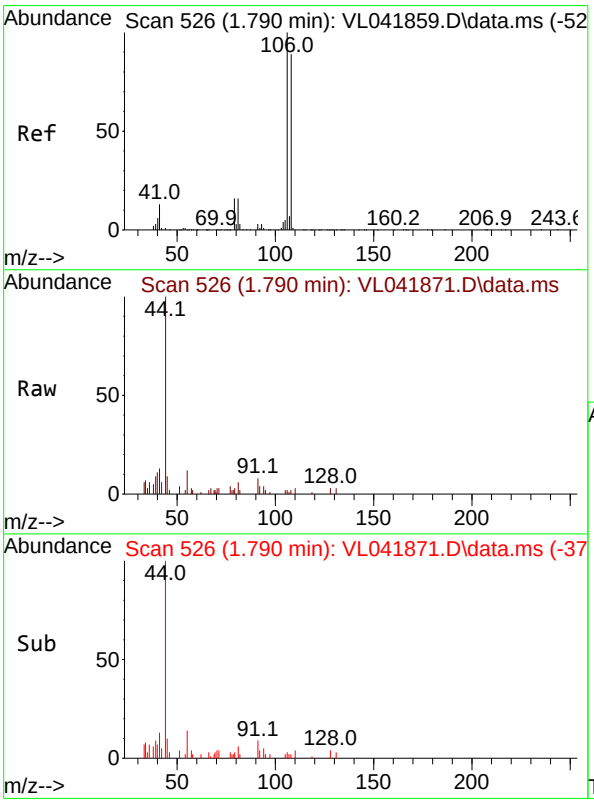
#13
Ethanol
Concen: 2.838 ppbv
RT: 1.728 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 1839

Ion	Ratio	Lower	Upper
45	100		
46	41.5	19.0	76.0

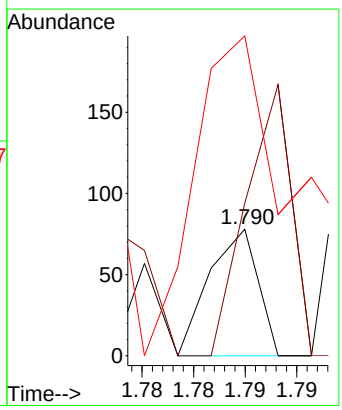


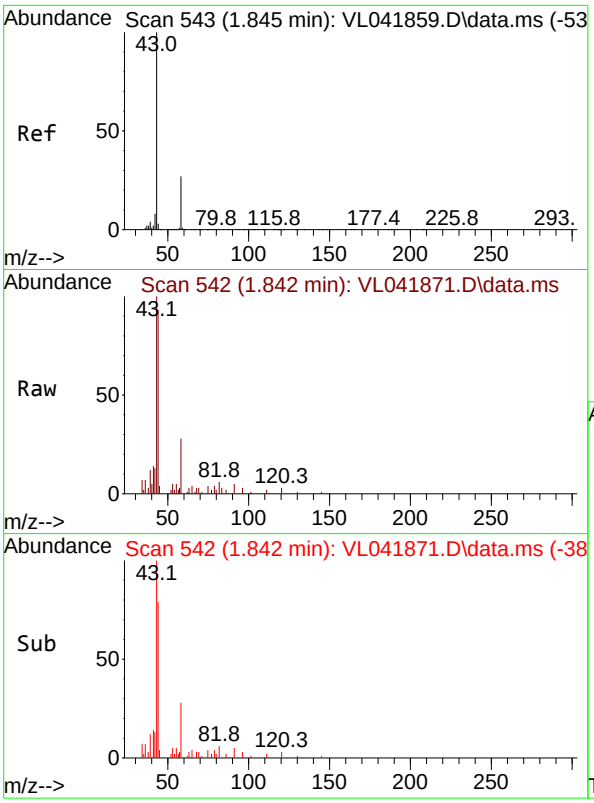


#14
Bromoethene
Concen: 0.004 ppbv
RT: 1.790 min Scan# 526
Delta R.T. -0.000 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion:108 Resp: 26

Ion	Ratio	Lower	Upper
108	100		
106	276.9	86.9	130.3#
79	0.0	15.6	23.4#



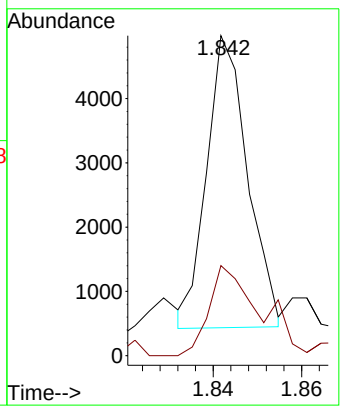


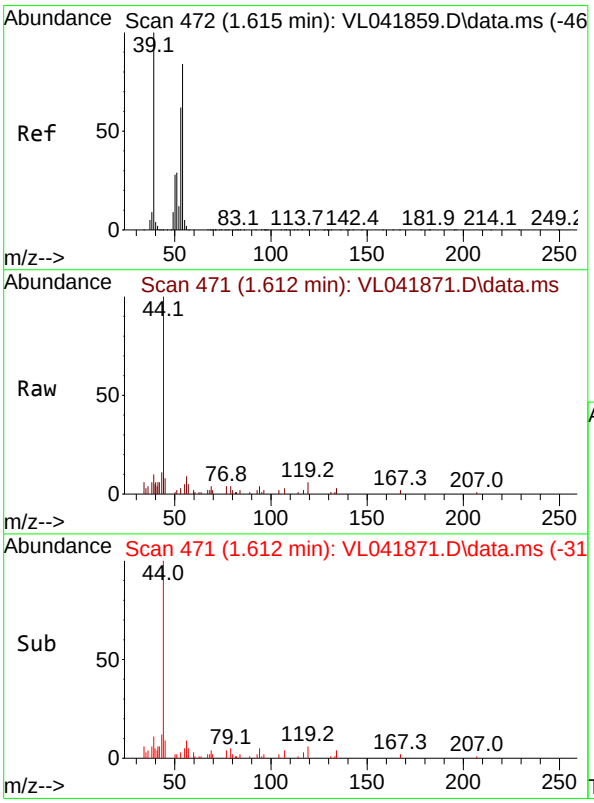
#15
Acetone
Concen: 0.143 ppbv
RT: 1.842 min Scan# 54
Delta R.T. -0.003 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2916

Ion	Ratio	Lower	Upper
43	100		
58	45.6	22.7	34.1#

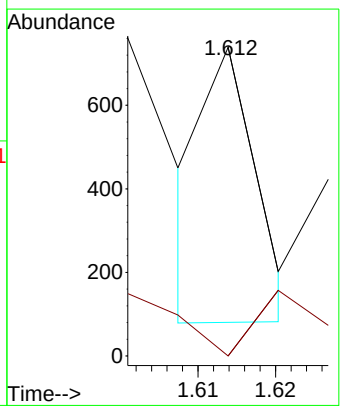


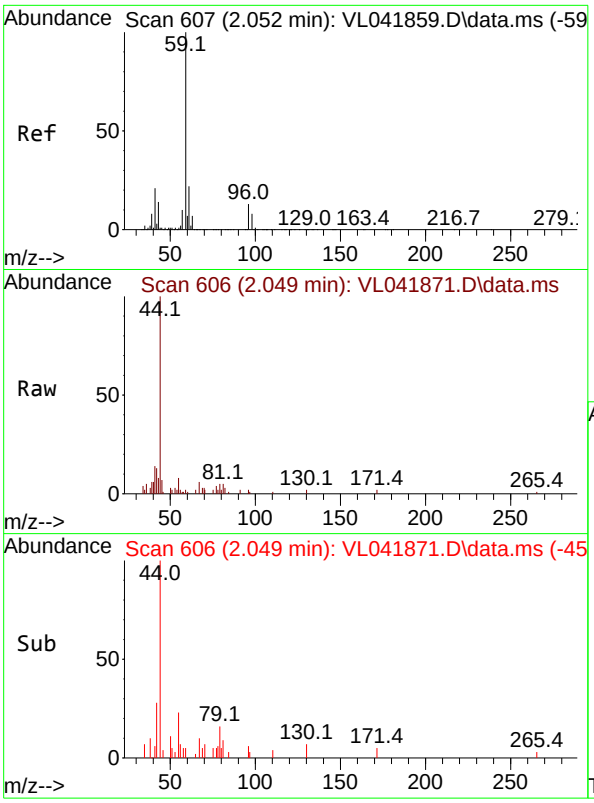


#16
1,3-Butadiene
Concen: 0.017 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.003 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion: 39 Resp: 151

Ion	Ratio	Lower	Upper
39	100		
54	0.0	60.1	90.1#



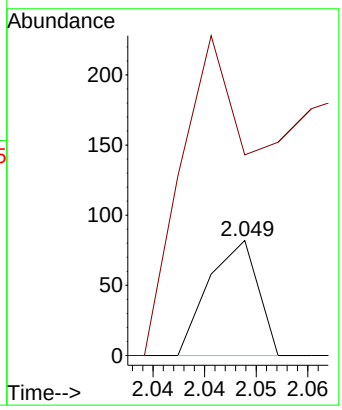


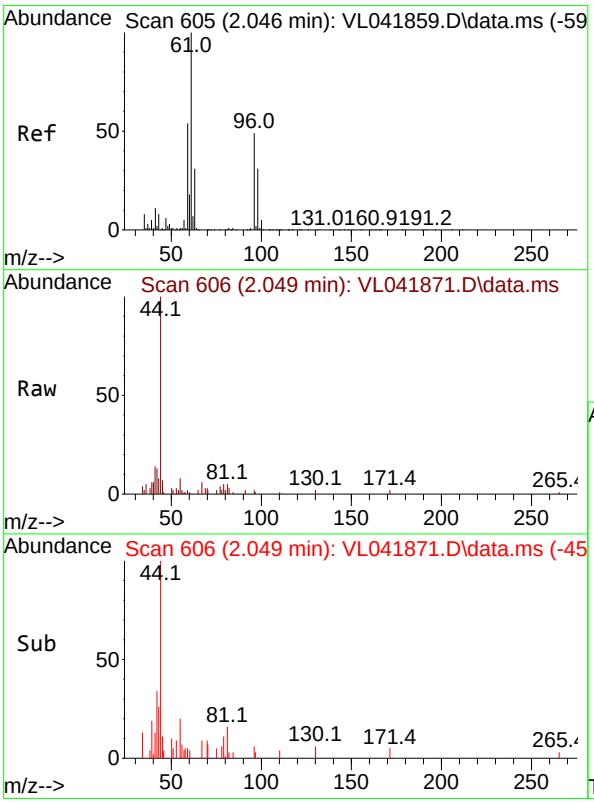
#17
tert-Butyl alcohol
Concen: 0.001 ppbv
RT: 2.049 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 27

Ion	Ratio	Lower	Upper
59	100		
57	1788.9	8.2	12.4#

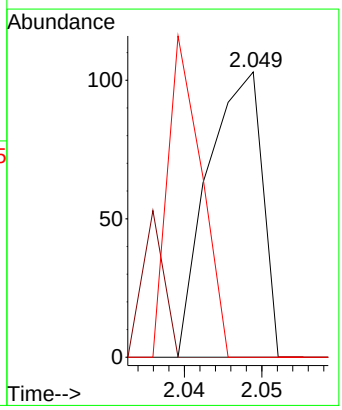


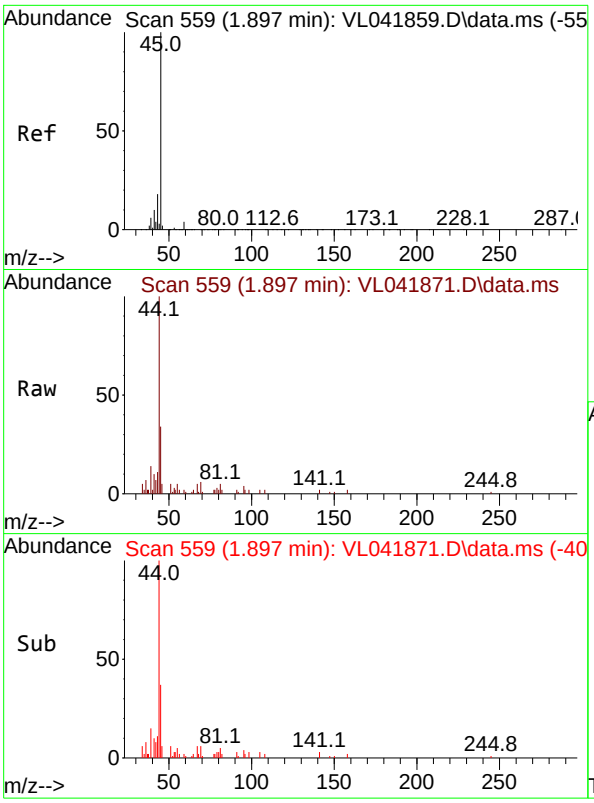


#18
1,1-Dichloroethene
Concen: 0.007 ppbv
RT: 2.049 min Scan# 606
Delta R.T. 0.003 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion: 96 Resp: 50

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



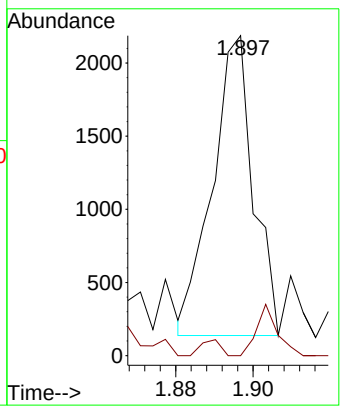


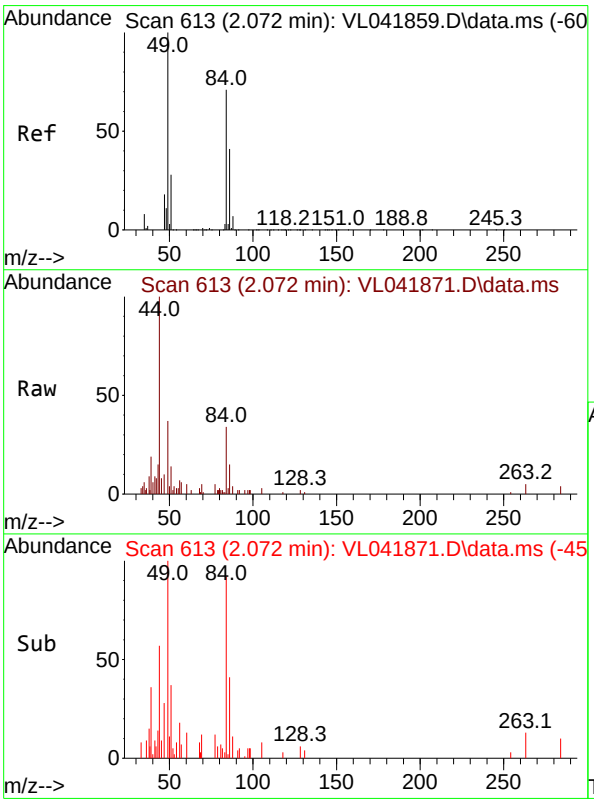
#19
Isopropyl Alcohol
Concen: 0.140 ppbv
RT: 1.897 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 1501

Ion	Ratio	Lower	Upper
45	100		
58	11.2	37.0	55.6#

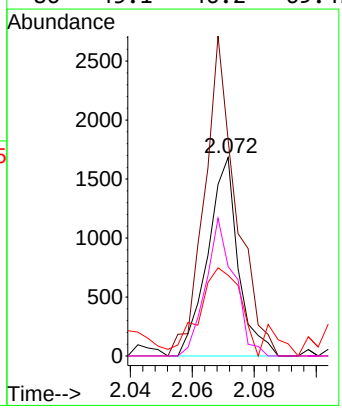


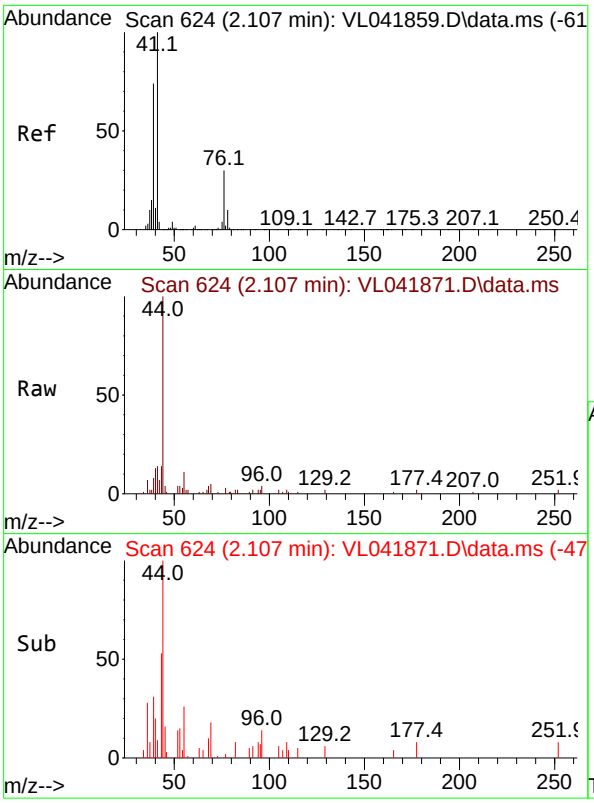


#20
Methylene Chloride
Concen: 0.165 ppbv
RT: 2.072 min Scan# 613
Delta R.T. -0.000 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion: 84 Resp: 1151

Ion	Ratio	Lower	Upper
84	100		
49	108.9	113.8	170.8#
51	35.1	33.5	50.3
86	45.1	46.2	69.4#



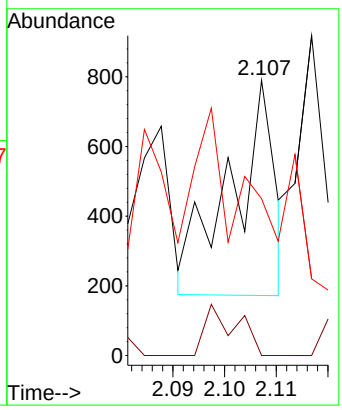


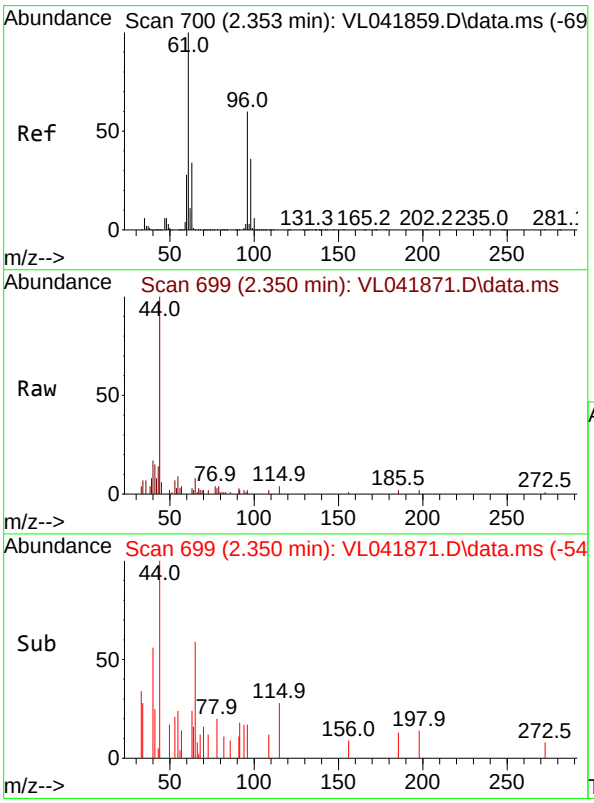
#21
Allyl Chloride
Concen: 0.028 ppbv
RT: 2.107 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 363

Ion	Ratio	Lower	Upper
41	100		
76	19.8	24.6	36.8#
39	166.9	60.1	90.1#

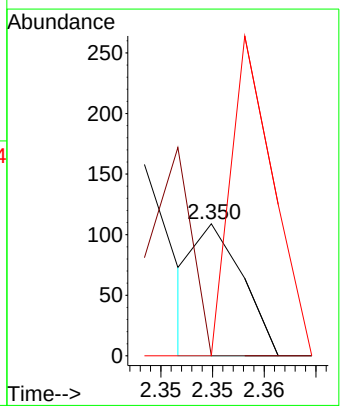


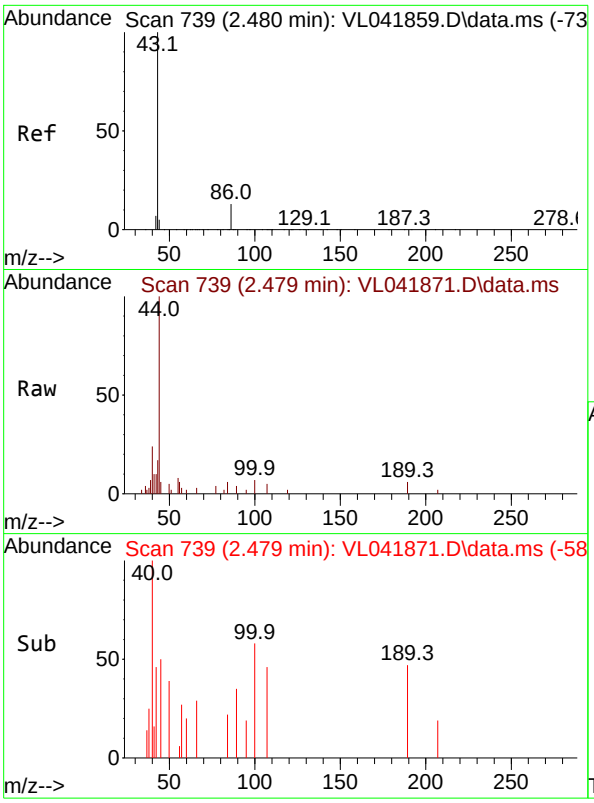


#22
trans-1,2-Dichloroethene
Concen: 0.004 ppbv
RT: 2.350 min Scan# 699
Delta R.T. -0.003 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion: 96 Resp: 34

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



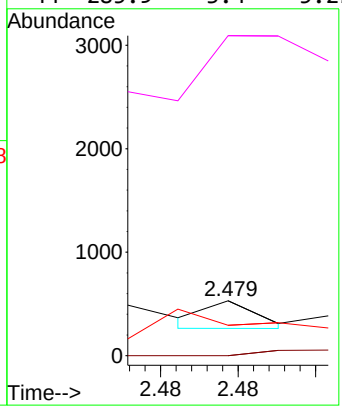


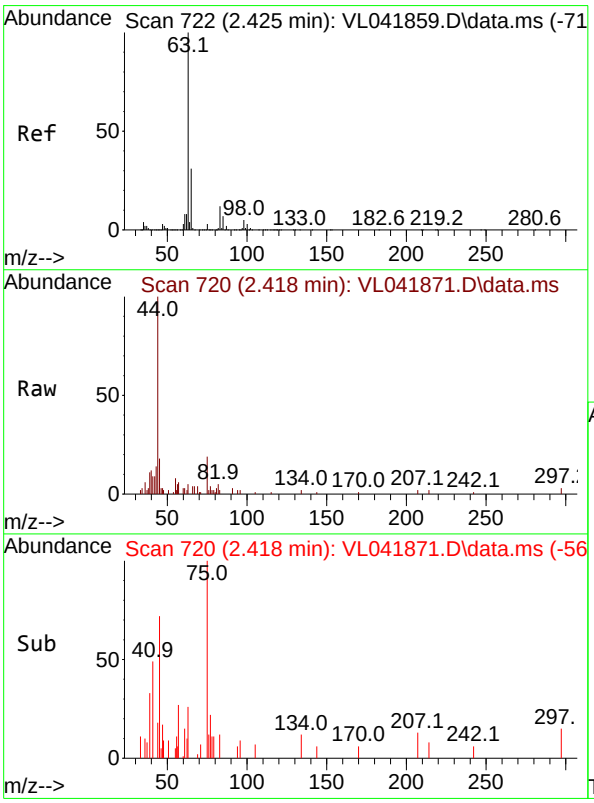
#23
Vinyl Acetate
Concen: 0.006 ppbv
RT: 2.479 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 61

Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.8	11.6#
42	0.0	7.0	10.4#
44	285.9	3.4	5.2#

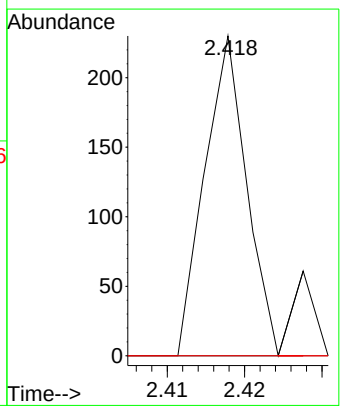


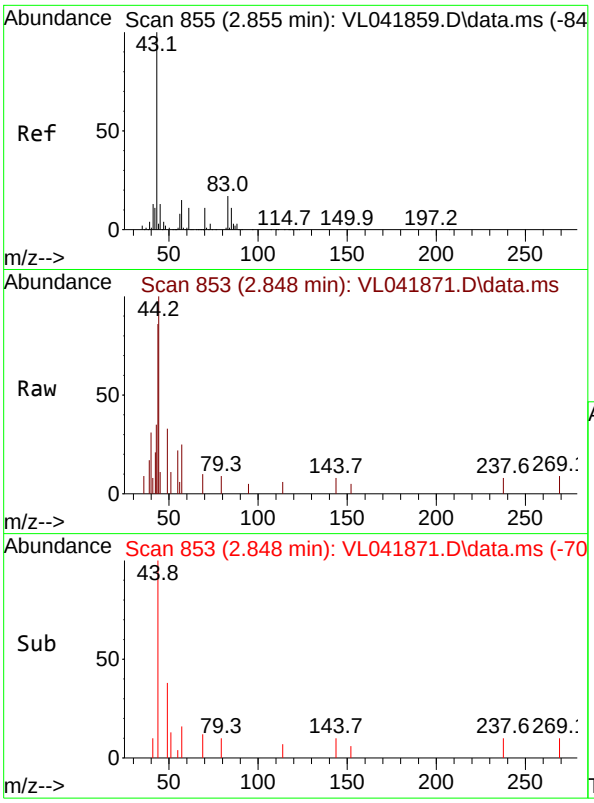


#24
1,1-Dichloroethane
Concen: 0.005 ppbv
RT: 2.418 min Scan# 720
Delta R.T. -0.007 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion: 63 Resp: 87

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



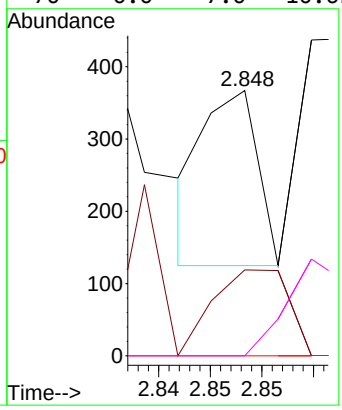


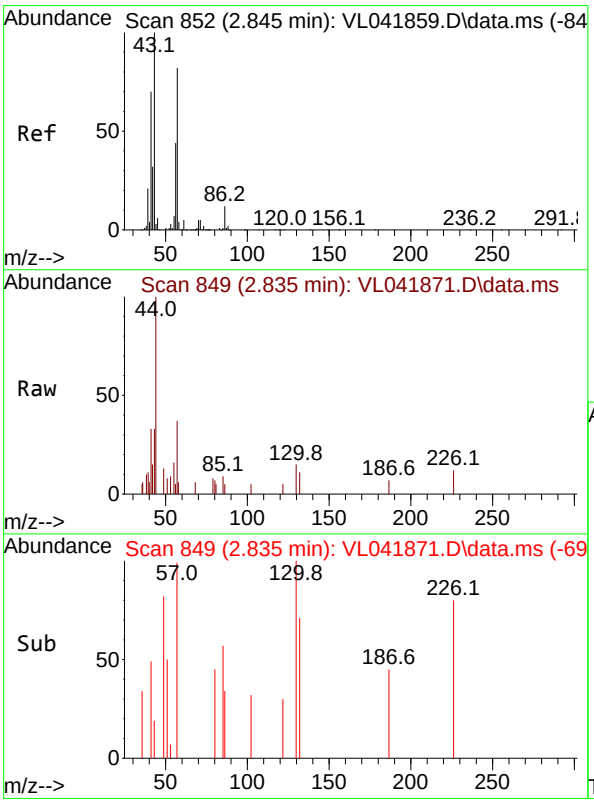
#25
Ethyl Acetate
Concen: 0.002 ppbv
RT: 2.848 min Scan# 8
Delta R.T. -0.007 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 88

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

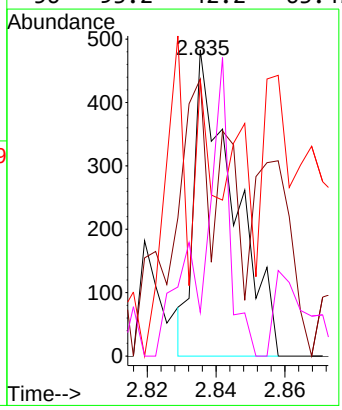


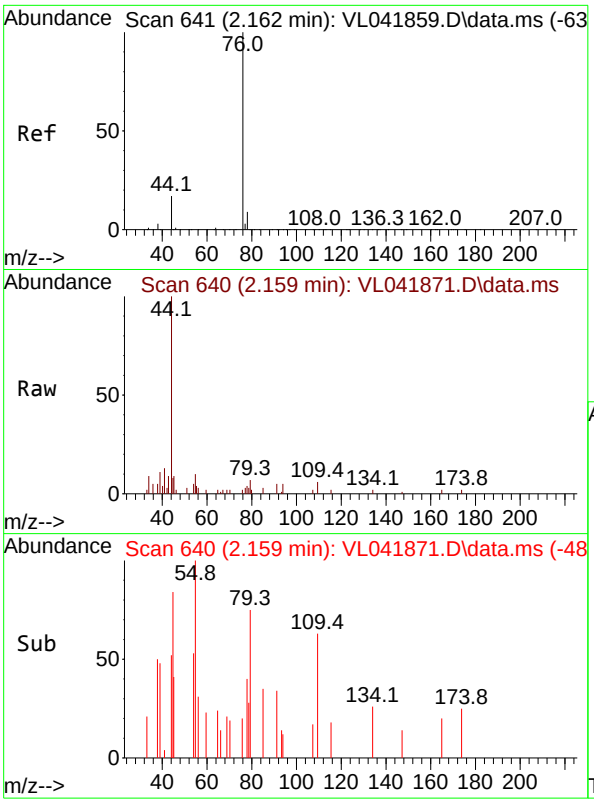


#26
Hexane
Concen: 0.018 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.010 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion: 57 Resp: 383

Ion	Ratio	Lower	Upper
57	100		
41	192.2	71.5	107.3#
43	230.3	200.2	300.4
56	93.2	42.2	63.4#



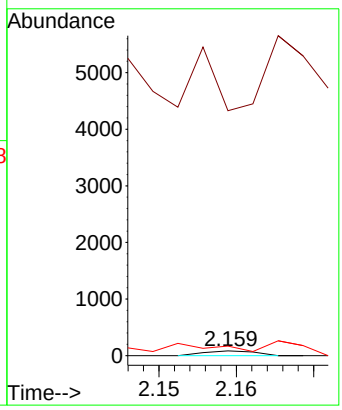


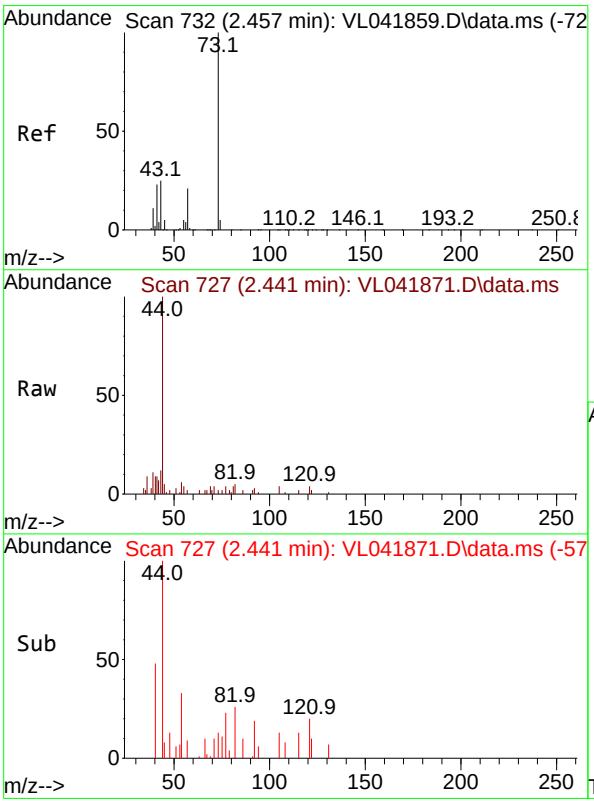
#27
Carbon Disulfide
Concen: 0.002 ppbv
RT: 2.159 min Scan# 64
Delta R.T. -0.003 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 39

Ion	Ratio	Lower	Upper
76	100		
44	5492.3	13.1	19.7#
78	923.1	9.5	14.3#

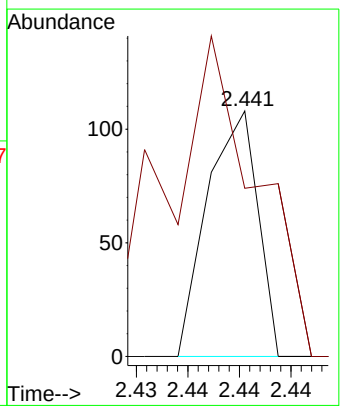


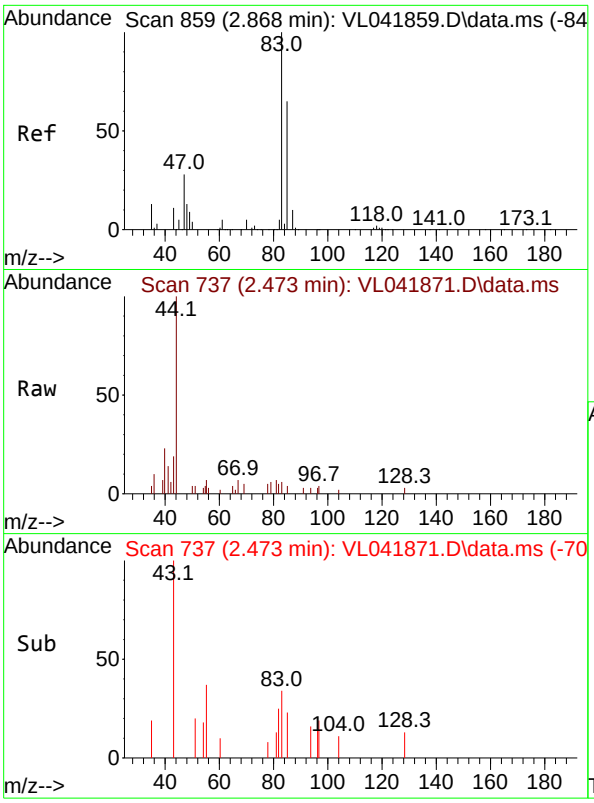


#28
Methyl tert-Butyl Ether
Concen: 0.002 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.016 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion: 73 Resp: 37

Ion	Ratio	Lower	Upper
73	100		
57	0.0	17.5	26.3#



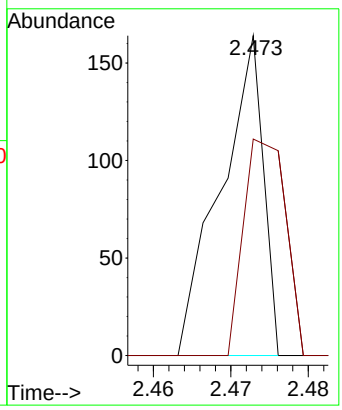


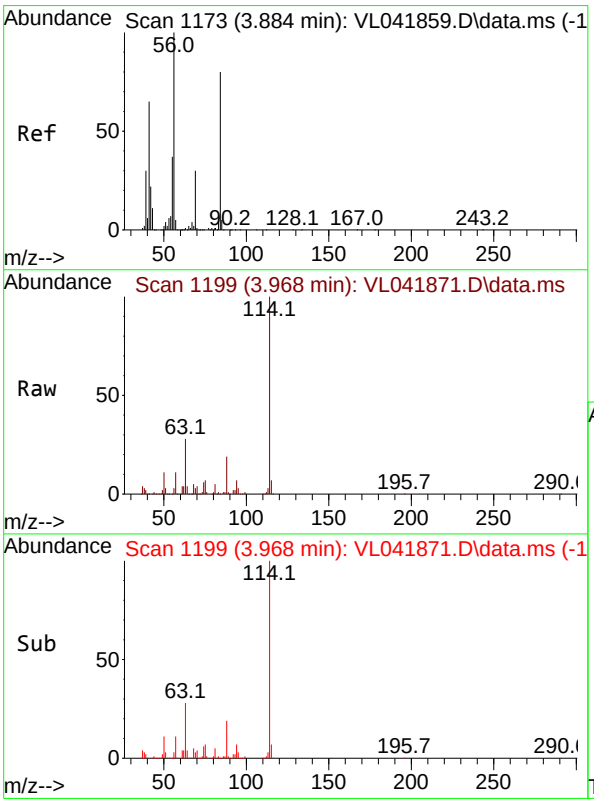
#29
Chloroform
Concen: 0.002 ppbv
RT: 2.473 min Scan# 7
Delta R.T. -0.395 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 63

Ion	Ratio	Lower	Upper
83	100		
85	67.7	51.7	77.5

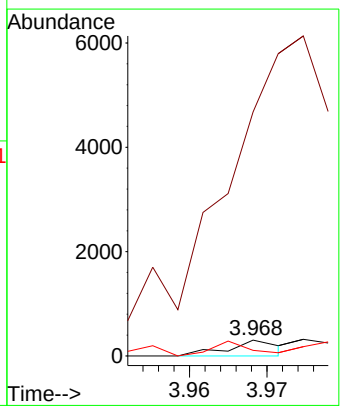


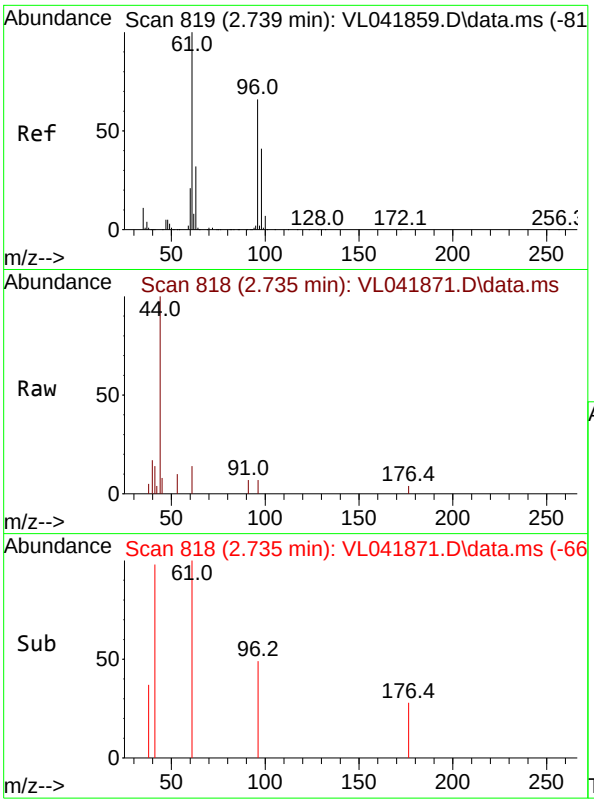


#30
Cyclohexane
Concen: 0.008 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. 0.084 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion: 84 Resp: 139

Ion	Ratio	Lower	Upper
84	100		
56	0.0	100.7	151.1#
41	181.3	62.8	94.2#



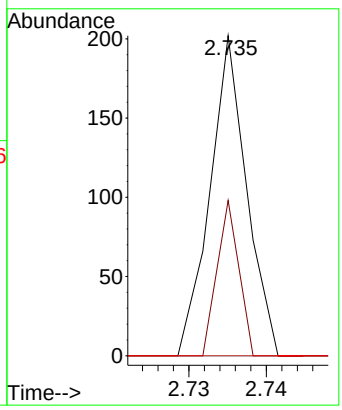


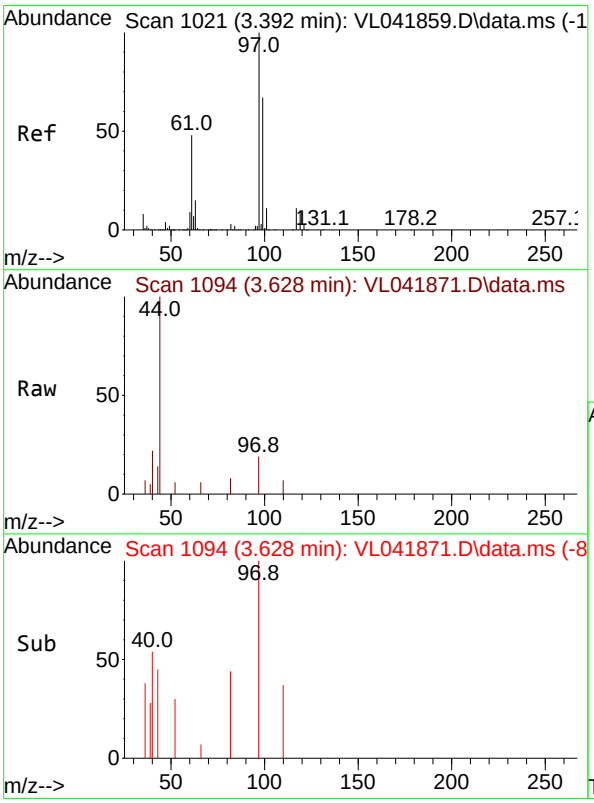
#31
cis-1,2-Dichloroethene
Concen: 0.003 ppbv
RT: 2.735 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 66

Ion	Ratio	Lower	Upper
61	100		
96	48.5	53.2	79.8#
98	0.0	32.5	48.7#

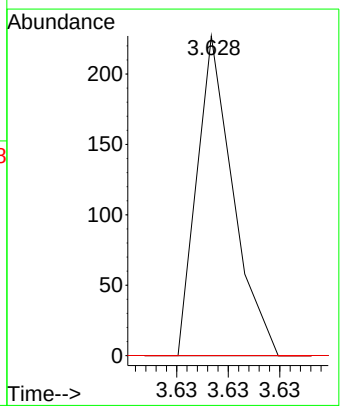


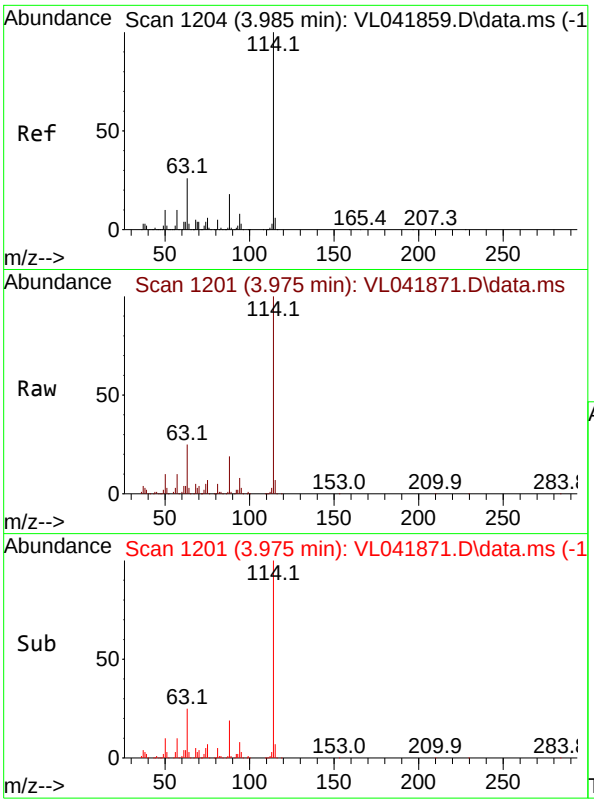


#32
1,1,1-Trichloroethane
Concen: 0.002 ppbv
RT: 3.628 min Scan# 1094
Delta R.T. 0.236 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion: 97 Resp: 55

Ion	Ratio	Lower	Upper
97	100		
99	60.0	52.0	78.0
61	0.0	38.8	58.2#



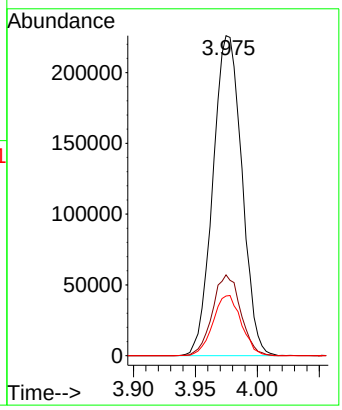


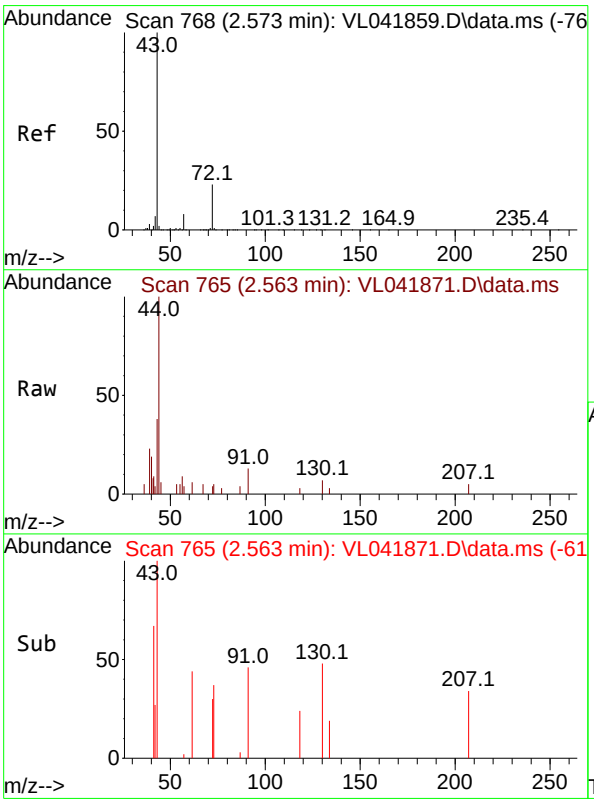
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1
Delta R.T. -0.010 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 368065

Ion	Ratio	Lower	Upper
114	100		
63	24.7	20.3	30.5
88	18.4	14.6	21.8

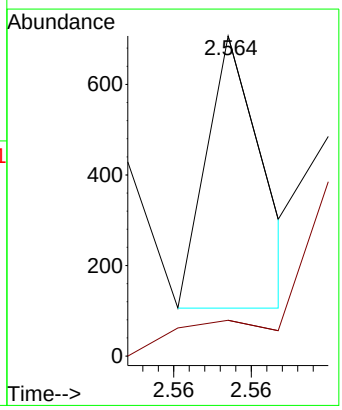


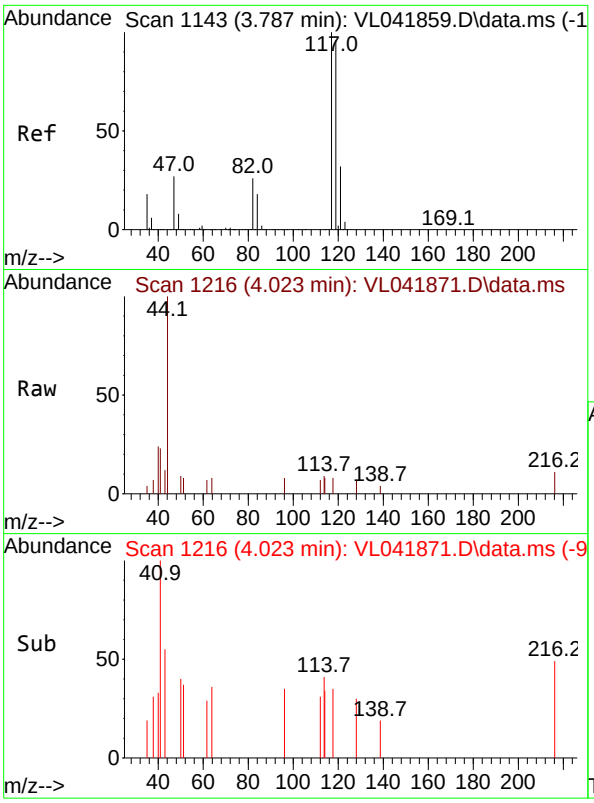


#34
2-Butanone
Concen: 0.005 ppbv
RT: 2.563 min Scan# 765
Delta R.T. -0.010 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion: 43 Resp: 155

Ion	Ratio	Lower	Upper
43	100		
72	232.3	18.5	27.7#



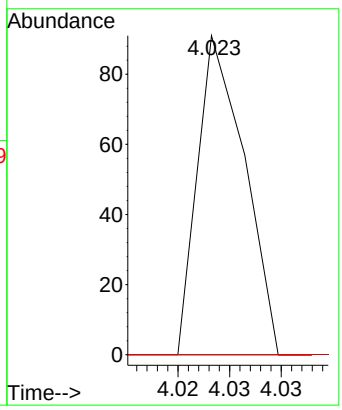


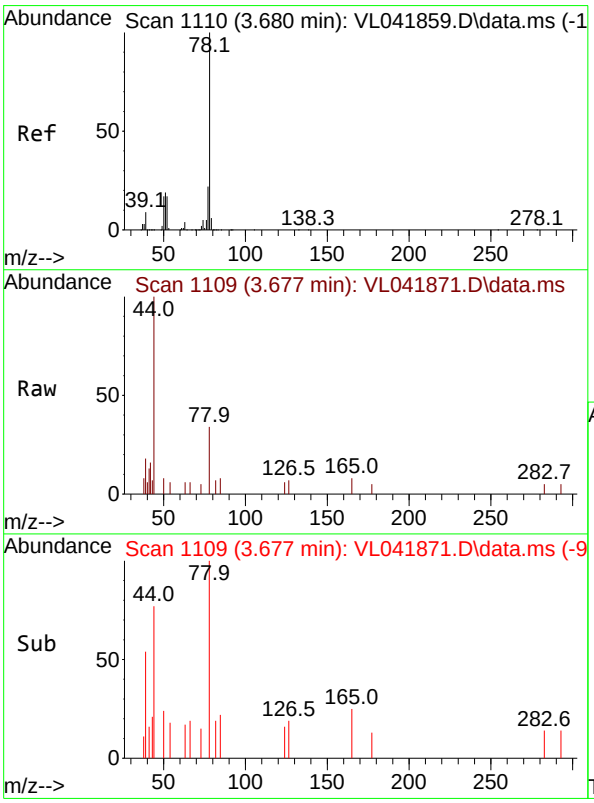
#35
Carbon Tetrachloride
Concen: 0.001 ppbv
RT: 4.023 min Scan# 1
Delta R.T. 0.236 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 29

Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.9	115.3#
121	0.0	25.9	38.9#

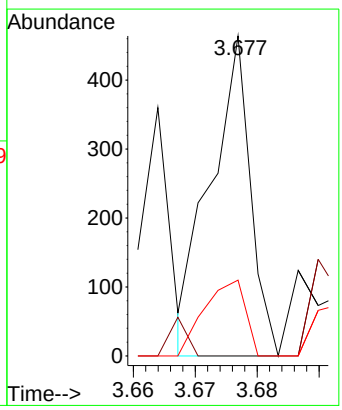


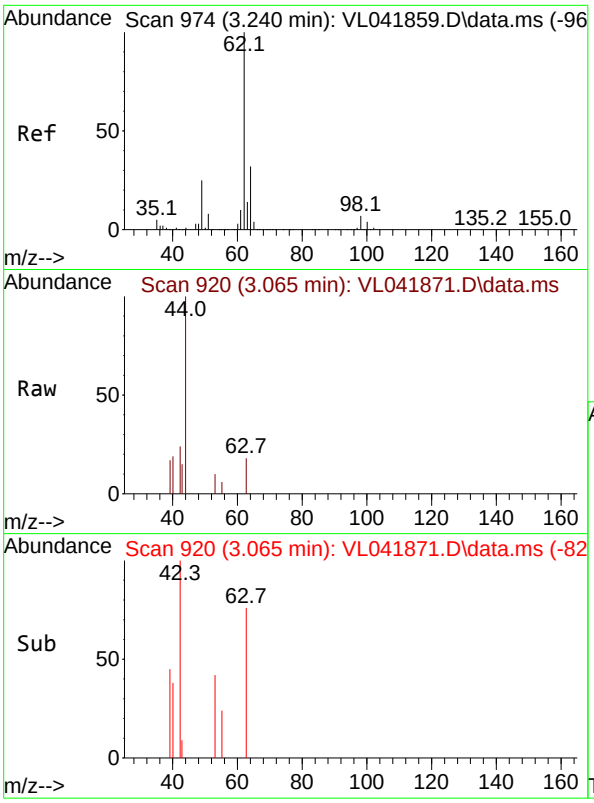


#36
Benzene
Concen: 0.005 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. -0.003 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion: 78 Resp: 208

Ion	Ratio	Lower	Upper
78	100		
77	0.0	17.9	26.9#
50	23.7	13.7	20.5#



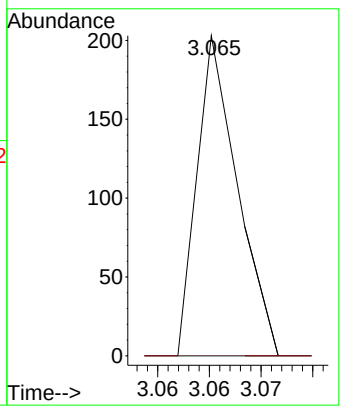


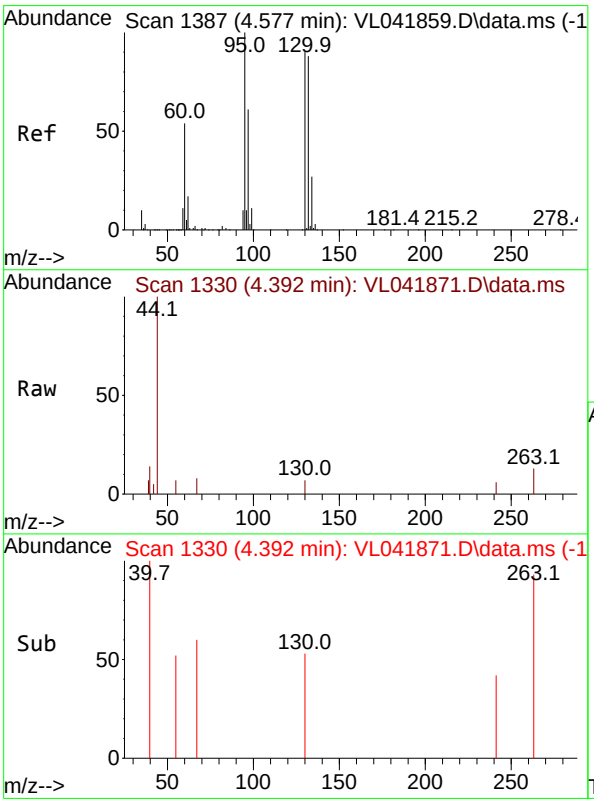
#37
1,2-Dichloroethane
Concen: 0.002 ppbv
RT: 3.065 min Scan# 9
Delta R.T. -0.175 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 55

Ion	Ratio	Lower	Upper
62	100		
98	160.0	5.6	8.4#

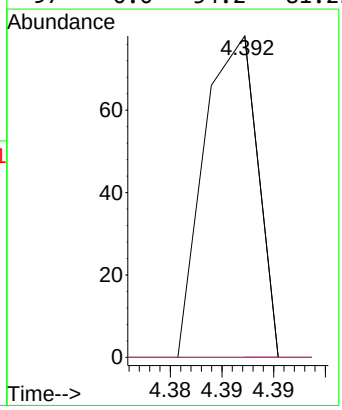


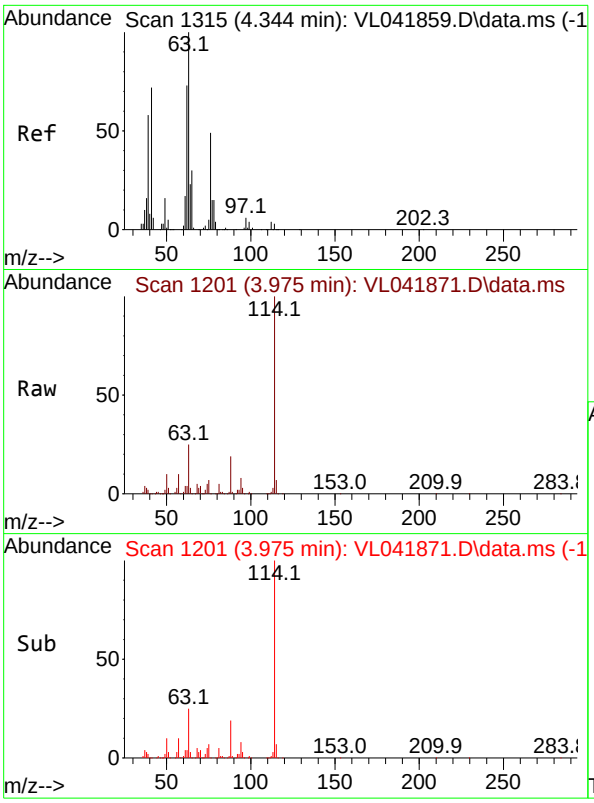


#38
Trichloroethene
Concen: 0.002 ppbv
RT: 4.392 min Scan# 1330
Delta R.T. -0.185 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion:130 Resp: 28

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#



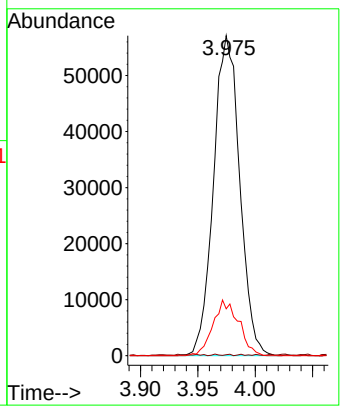


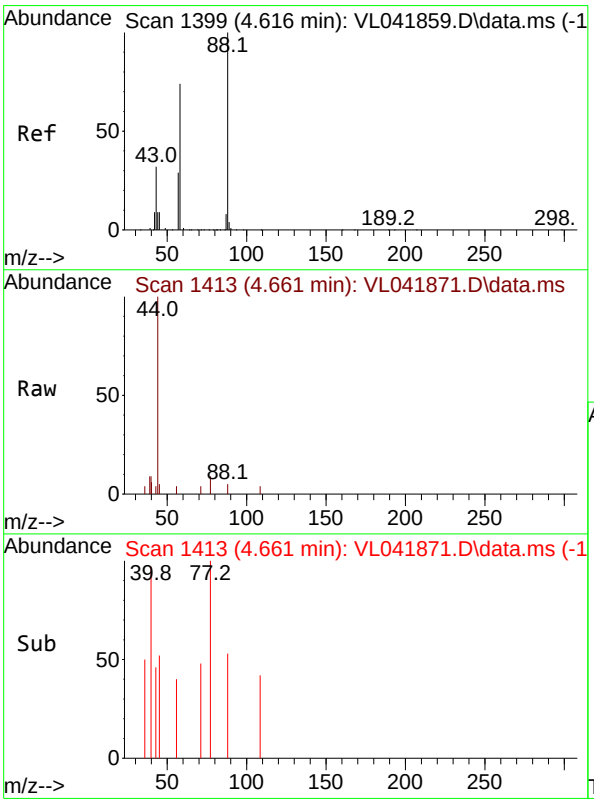
#39
1,2-Dichloropropane
Concen: 5.968 ppbv
RT: 3.975 min Scan# 1
Delta R.T. -0.369 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 90656

Ion	Ratio	Lower	Upper
63	100		
41	0.1	58.0	87.0#
62	14.7	58.6	87.8#

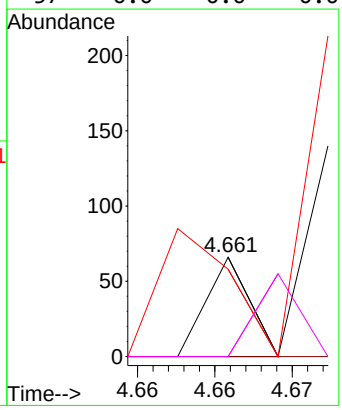


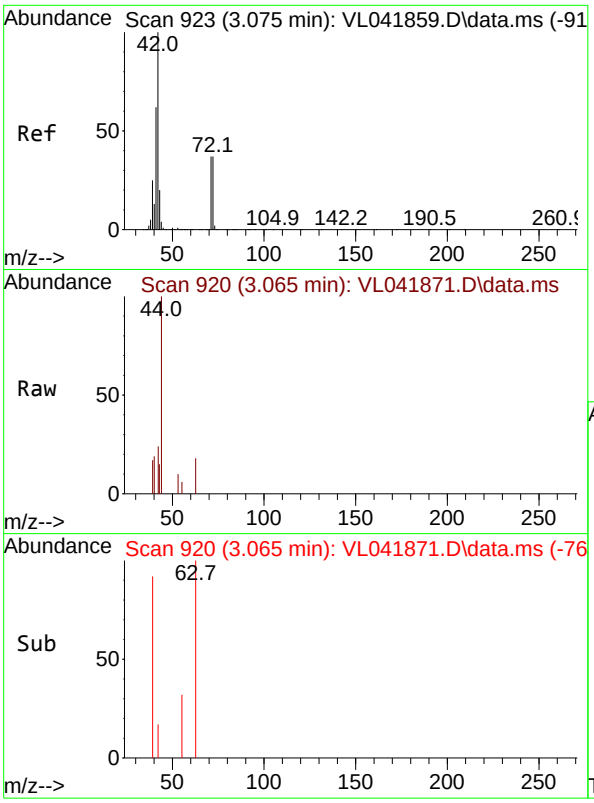


#40
1,4-Dioxane
Concen: 0.002 ppbv
RT: 4.661 min Scan# 1413
Delta R.T. 0.045 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion: 88 Resp: 13

Ion	Ratio	Lower	Upper
88	100		
58	0.0	52.2	78.4#
43	992.3	0.0	0.0#
57	0.0	0.0	0.0



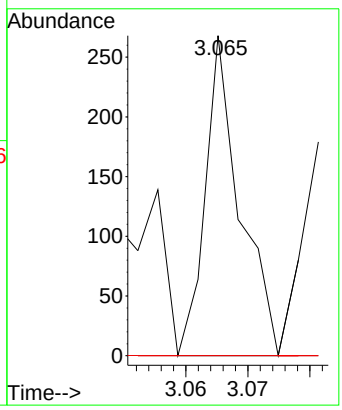


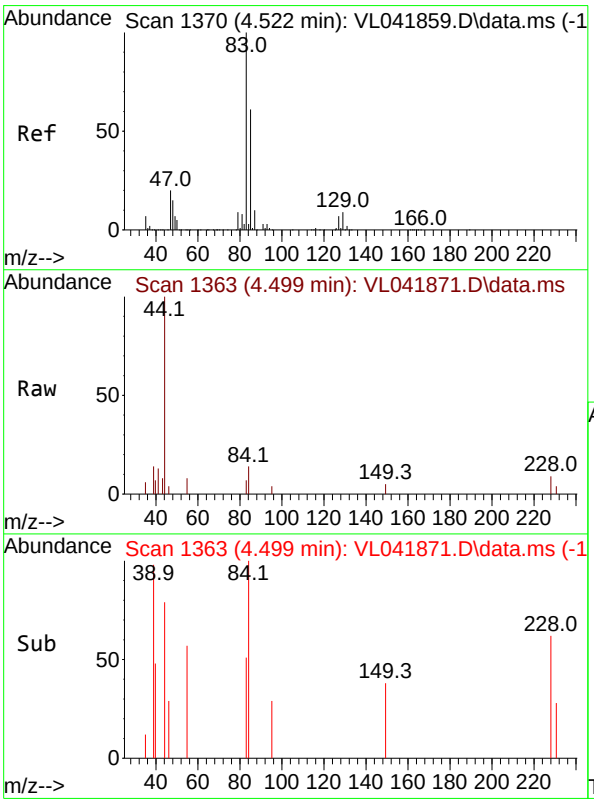
#41
Tetrahydrofuran
Concen: 0.006 ppbv
RT: 3.065 min Scan# 9
Delta R.T. -0.010 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 104

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

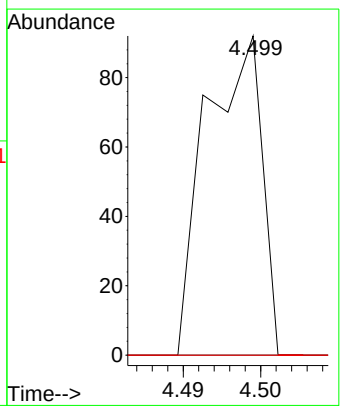


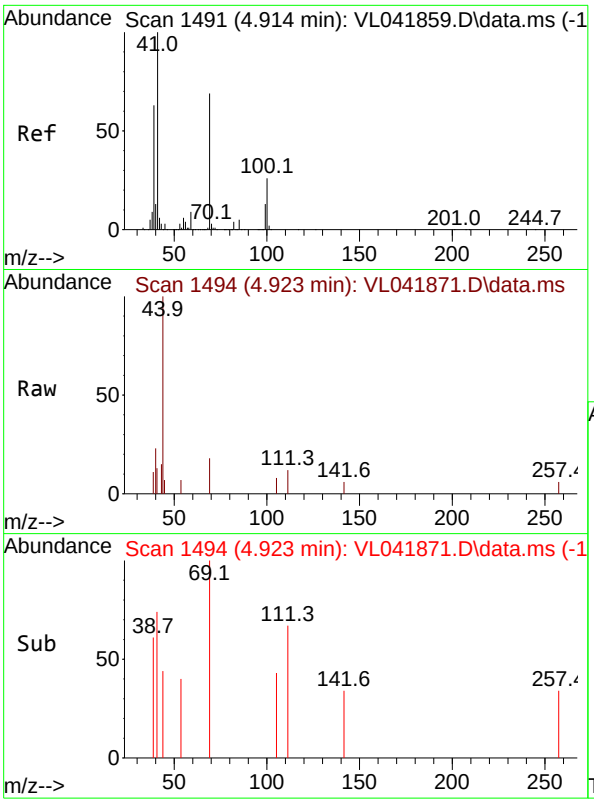


#42
Bromodichloromethane
Concen: 0.001 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. -0.023 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion: 83 Resp: 46

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



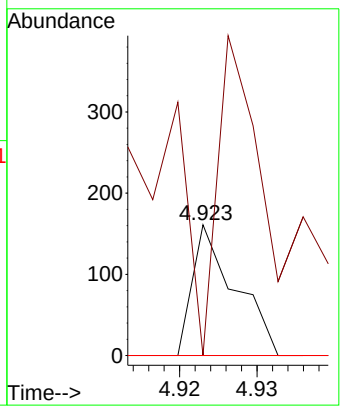


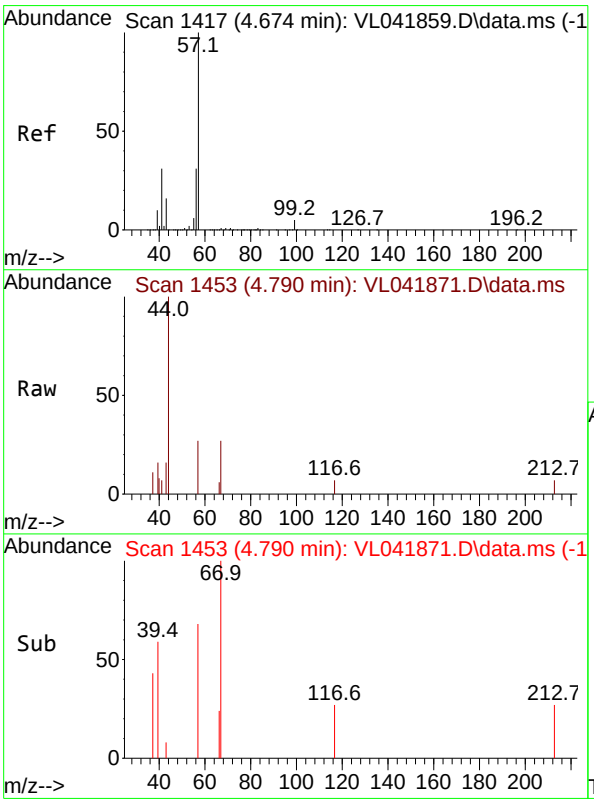
#43
Methyl Methacrylate
Concen: 0.004 ppbv
RT: 4.923 min Scan# 14
Delta R.T. 0.009 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 62

Ion	Ratio	Lower	Upper
69	100		
41	1446.8	116.2	174.4#
100	0.0	29.8	44.8#

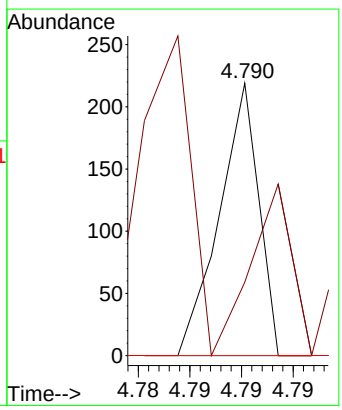


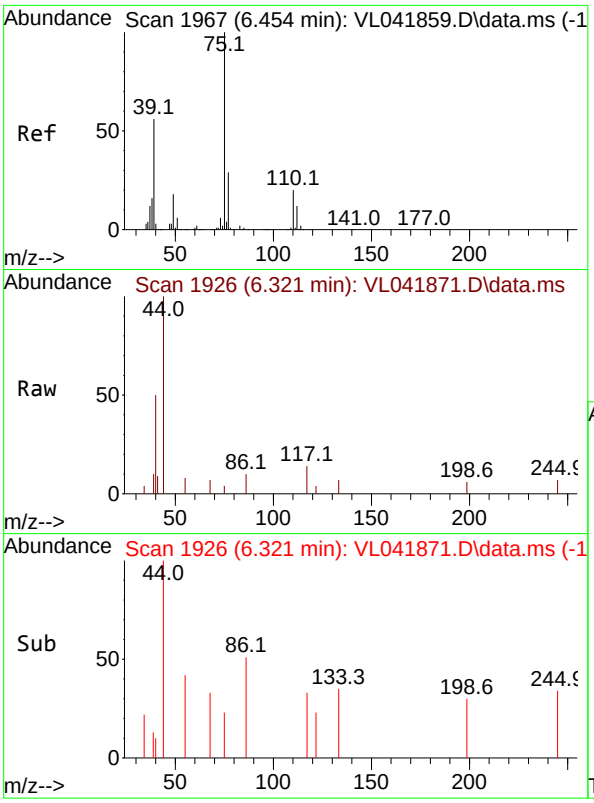


#44
2,2,4-Trimethylpentane
Concen: 0.001 ppbv
RT: 4.790 min Scan# 1453
Delta R.T. 0.116 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion: 57 Resp: 58

Ion	Ratio	Lower	Upper
57	100		
41	250.0	25.5	38.3#
56	67.2	25.6	38.4#



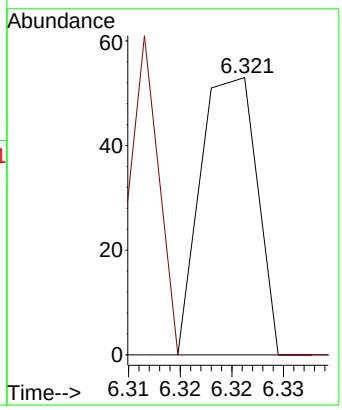


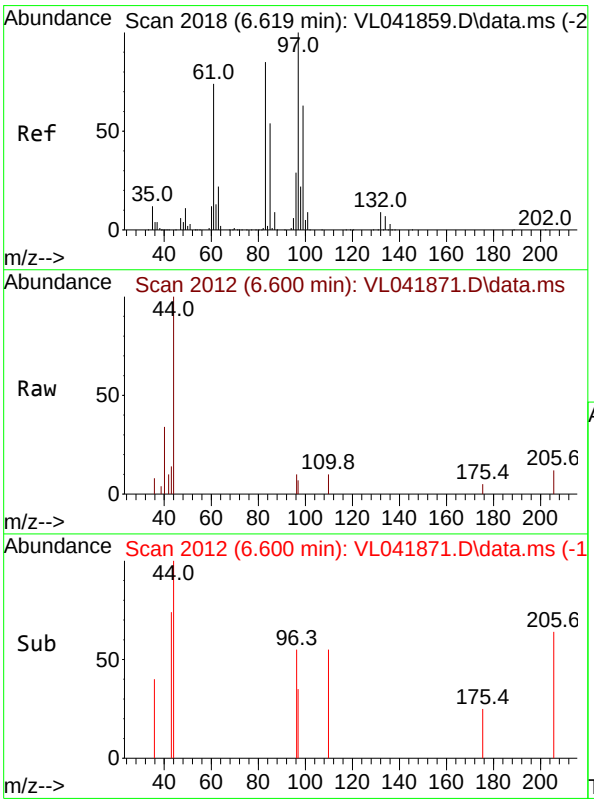
#45
t-1,3-Dichloropropene
Concen: 0.001 ppbv
RT: 6.321 min Scan# 1
Delta R.T. -0.133 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 20

Ion	Ratio	Lower	Upper
75	100		
77	0.0	23.4	35.2#

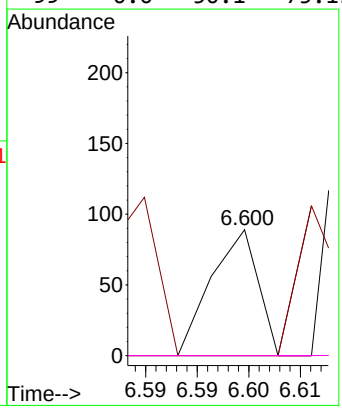


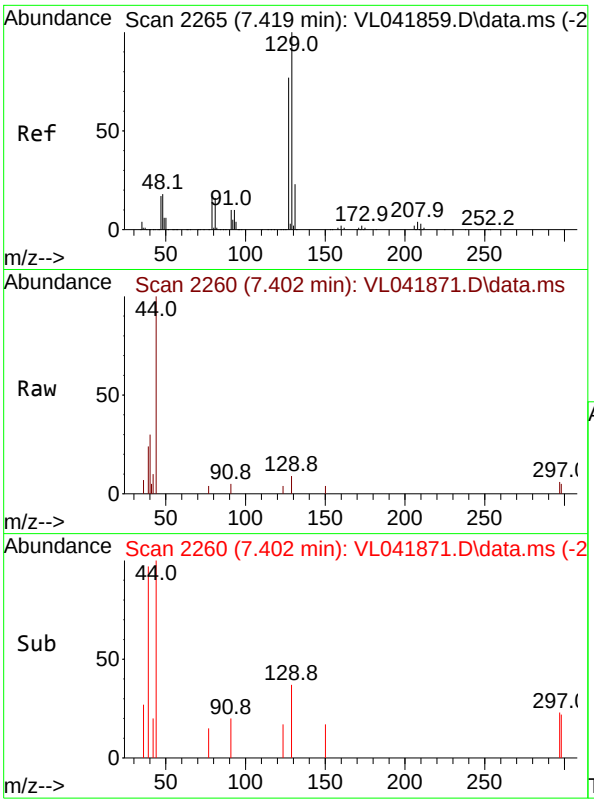


#47
1,1,2-Trichloroethane
Concen: 0.002 ppbv
RT: 6.600 min Scan# 2012
Delta R.T. -0.020 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion: 97 Resp: 28

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#



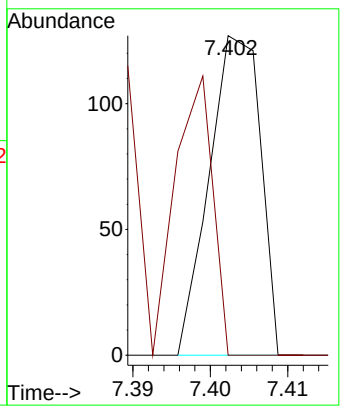


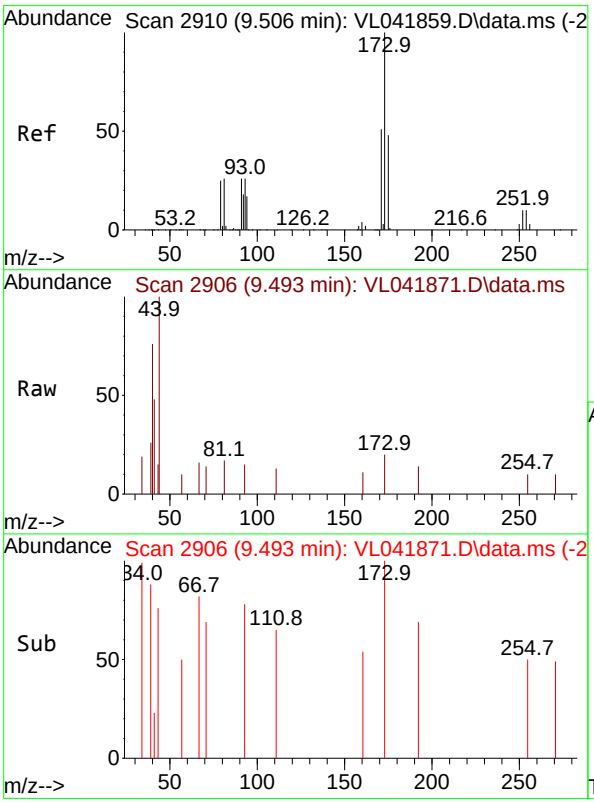
#48
Dibromochloromethane
Concen: 0.002 ppbv
RT: 7.402 min Scan# 2
Delta R.T. -0.016 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:129 Resp: 58

Ion	Ratio	Lower	Upper
129	100		
127	103.4	39.4	118.1

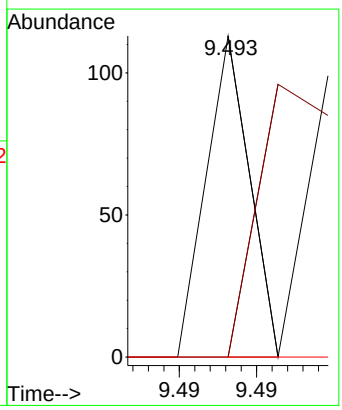


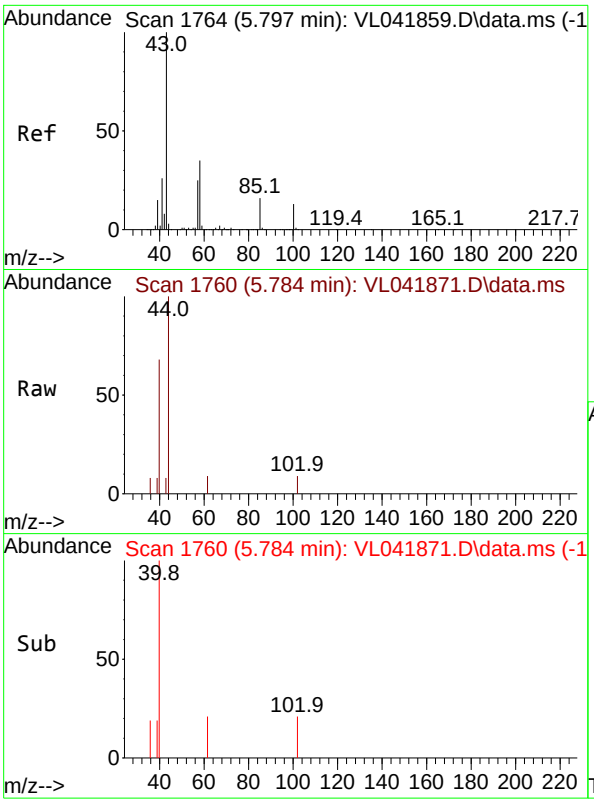


#49
Bromoform
Concen: 0.001 ppbv
RT: 9.493 min Scan# 2906
Delta R.T. -0.013 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion:173 Resp: 22

Ion	Ratio	Lower	Upper
173	100		
175	159.1	38.2	57.2#
171	0.0	41.3	61.9#



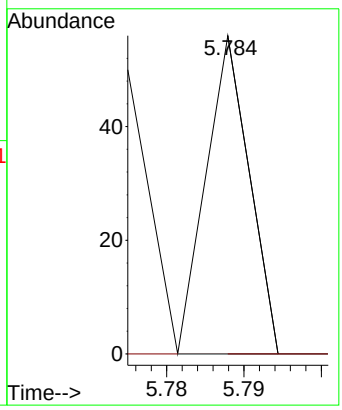


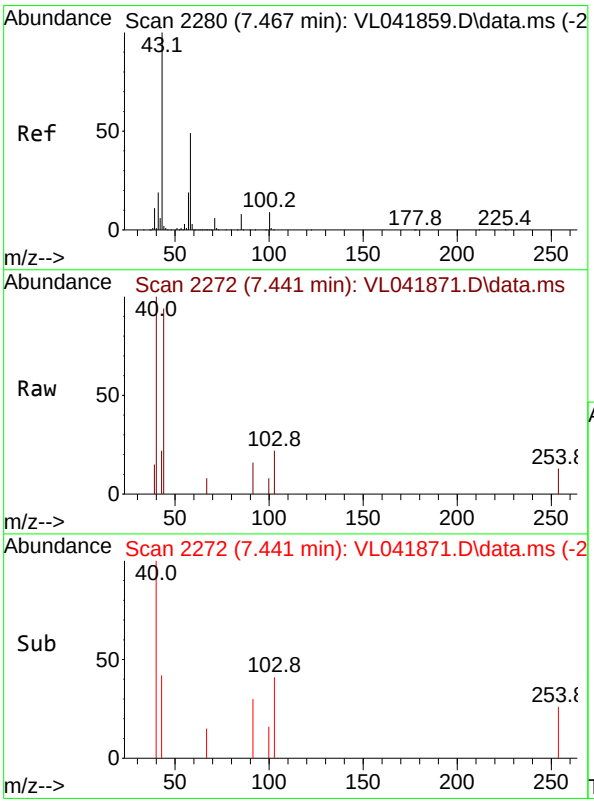
#50
4-Methyl-2-Pentanone
Concen: 0.000 ppbv
RT: 5.784 min Scan# 1
Delta R.T. -0.013 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 11

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.4	44.2#

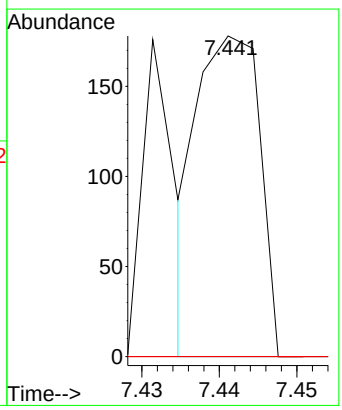


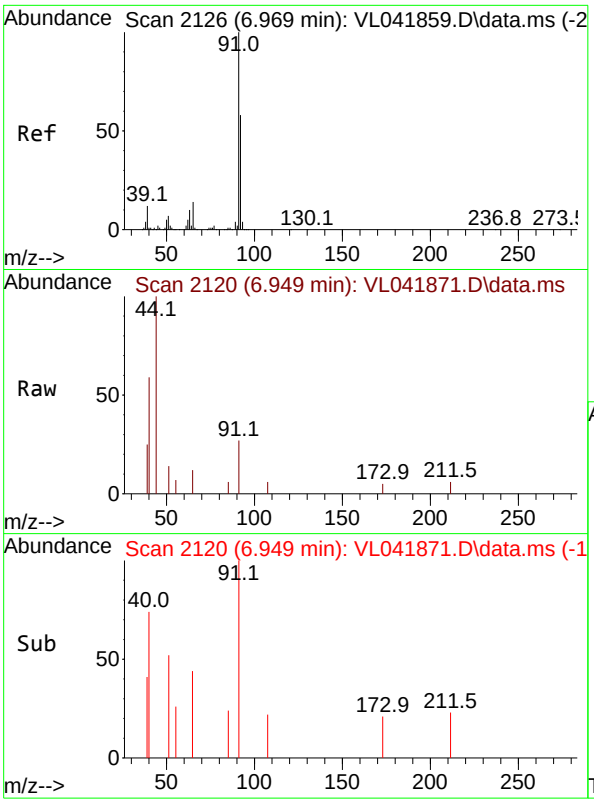


#51
2-Hexanone
Concen: 0.003 ppbv
RT: 7.441 min Scan# 2272
Delta R.T. -0.026 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion: 43 Resp: 98

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



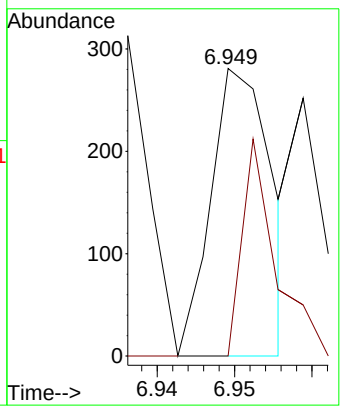


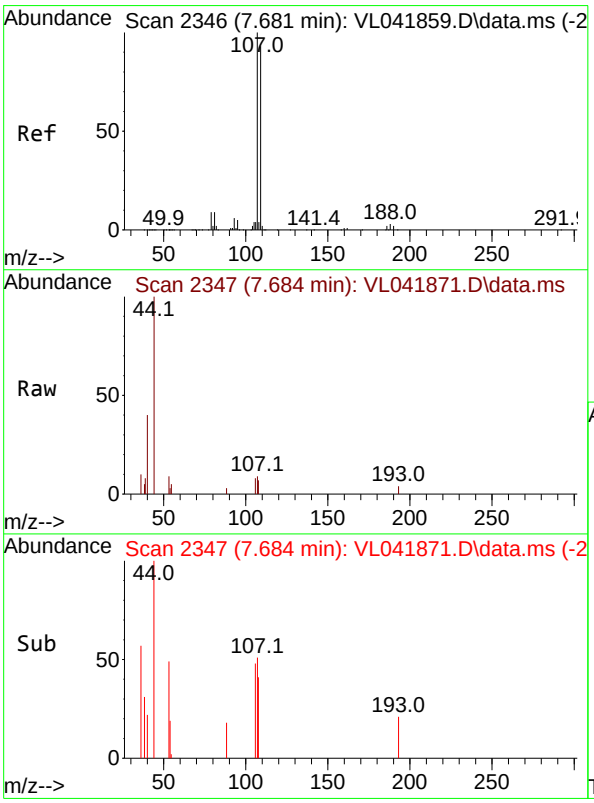
#53
Toluene
Concen: 0.003 ppbv
RT: 6.949 min Scan# 21
Delta R.T. -0.020 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 154

Ion	Ratio	Lower	Upper
91	100		
92	59.1	47.2	70.8

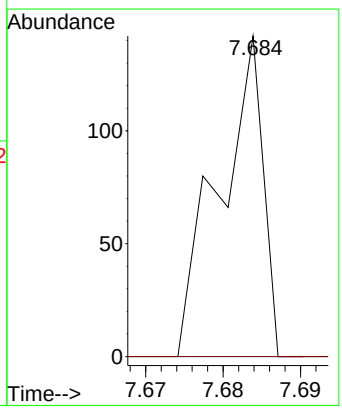


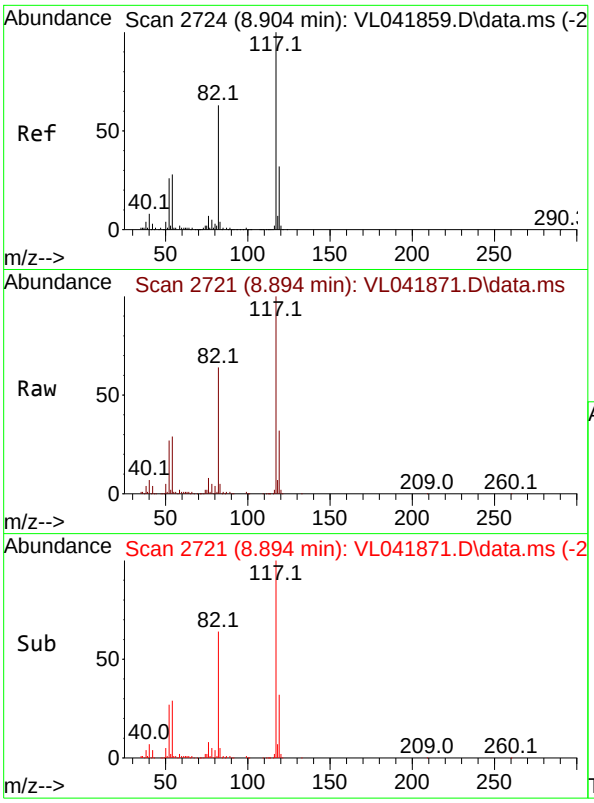


#54
1,2-Dibromoethane
Concen: 0.003 ppbv
RT: 7.684 min Scan# 2347
Delta R.T. 0.003 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion:107 Resp: 56

Ion	Ratio	Lower	Upper
107	100		
109	0.0	74.6	112.0#



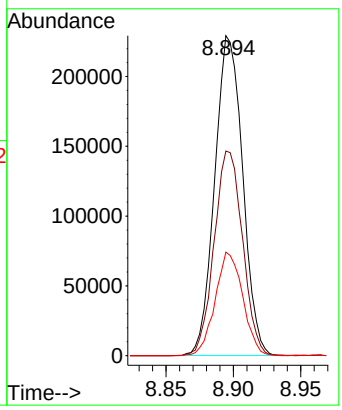


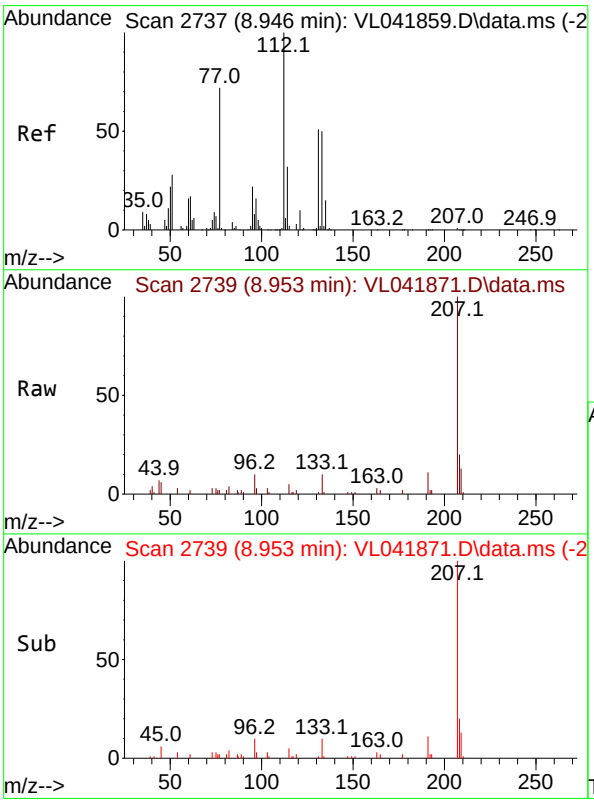
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.894 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 330684

Ion	Ratio	Lower	Upper
117	100		
82	65.1	54.5	81.7
119	32.1	24.6	37.0

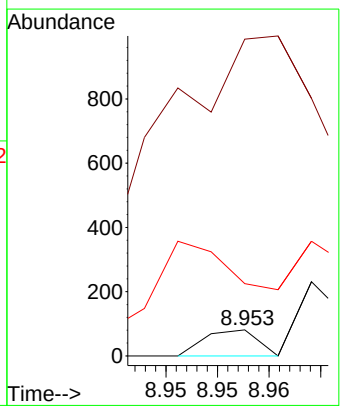


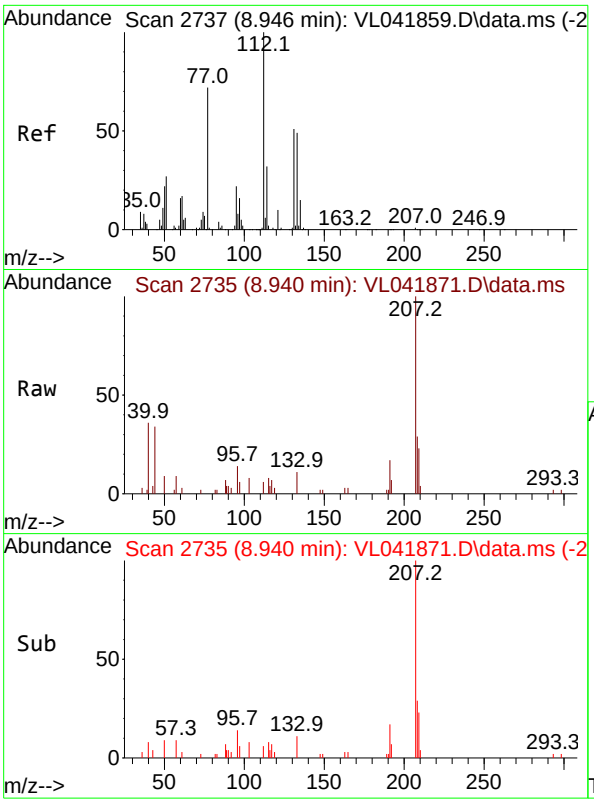


#56
1,1,1,2-Tetrachloroethane
Concen: 0.001 ppbv
RT: 8.953 min Scan# 2739
Delta R.T. 0.006 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion:131 Resp: 29

Ion	Ratio	Lower	Upper
131	100		
133	0.0	77.4	116.2#
119	364558.6	49.4	74.0#



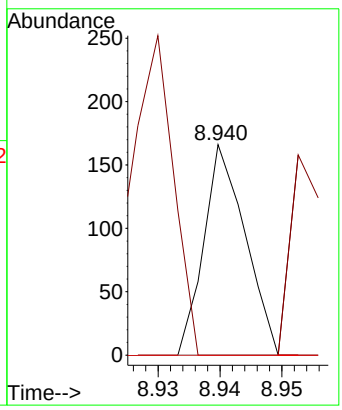


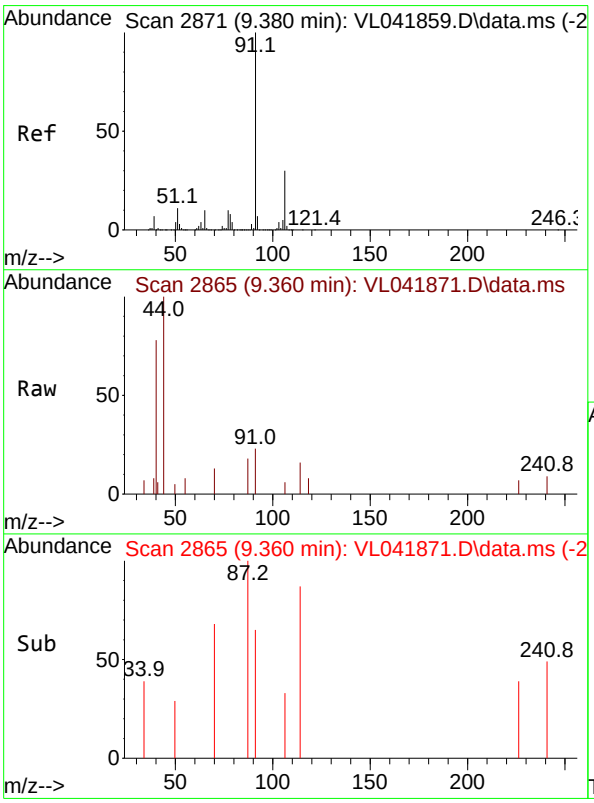
#57
Chlorobenzene
Concen: 0.002 ppbv
RT: 8.940 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 77

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

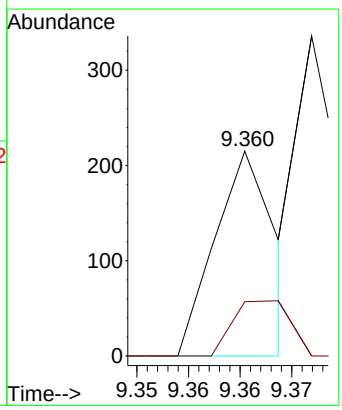


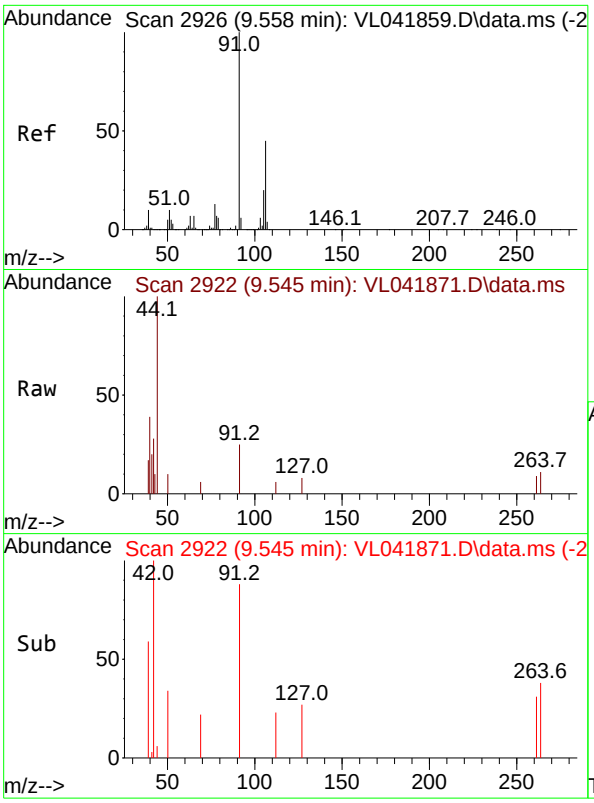


#58
Ethyl Benzene
Concen: 0.001 ppbv
RT: 9.360 min Scan# 2865
Delta R.T. -0.020 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion: 91 Resp: 87

Ion	Ratio	Lower	Upper
91	100		
106	26.5	24.2	36.2



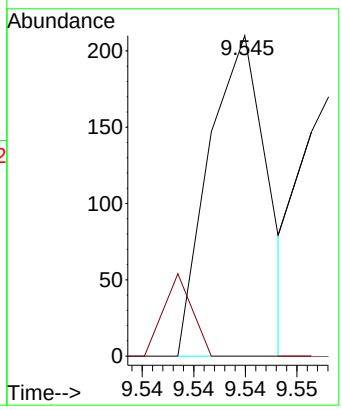


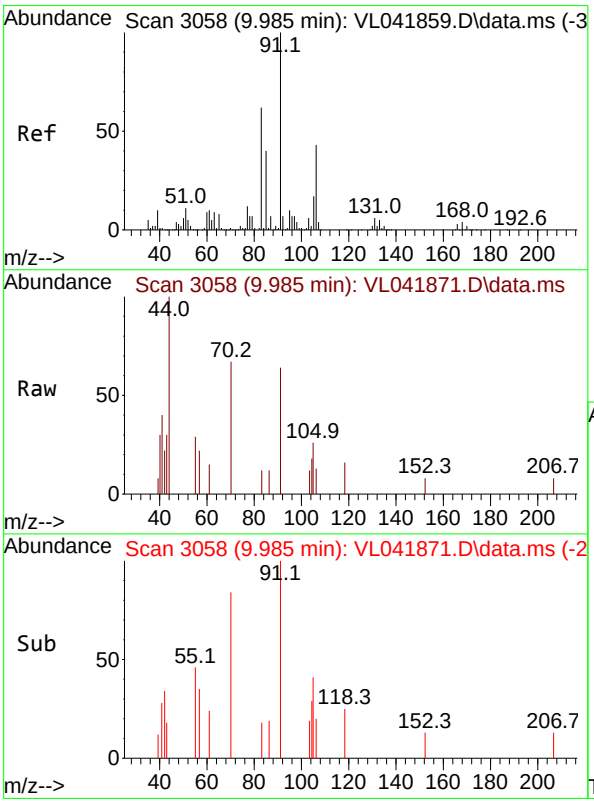
#59
m/p-Xylene
Concen: 0.002 ppbv
RT: 9.545 min Scan# 2
Delta R.T. -0.013 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 85

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

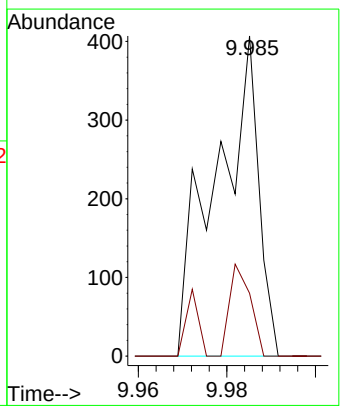


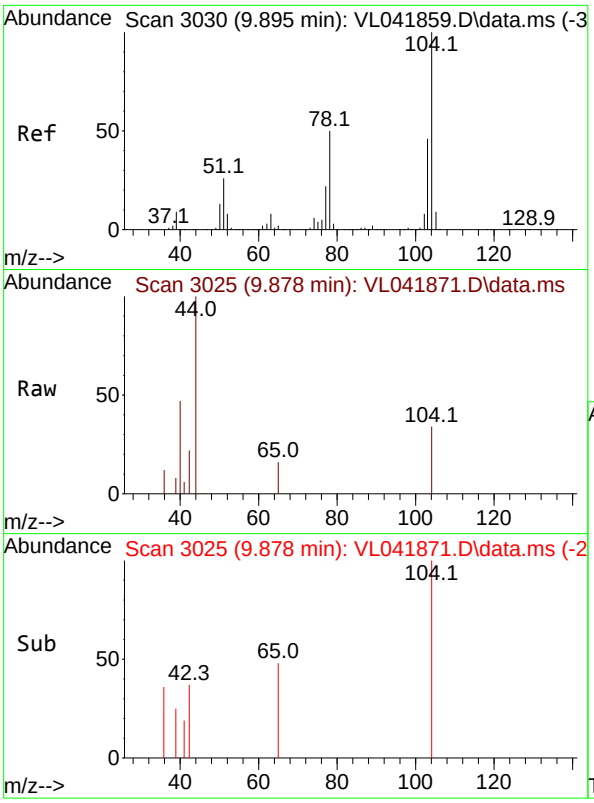


#60
o-Xylene
Concen: 0.005 ppbv
RT: 9.985 min Scan# 3058
Delta R.T. -0.000 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion: 91 Resp: 273

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.4	64.3#



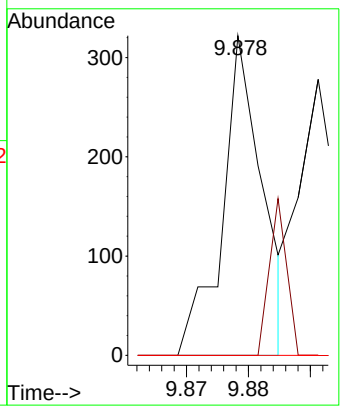


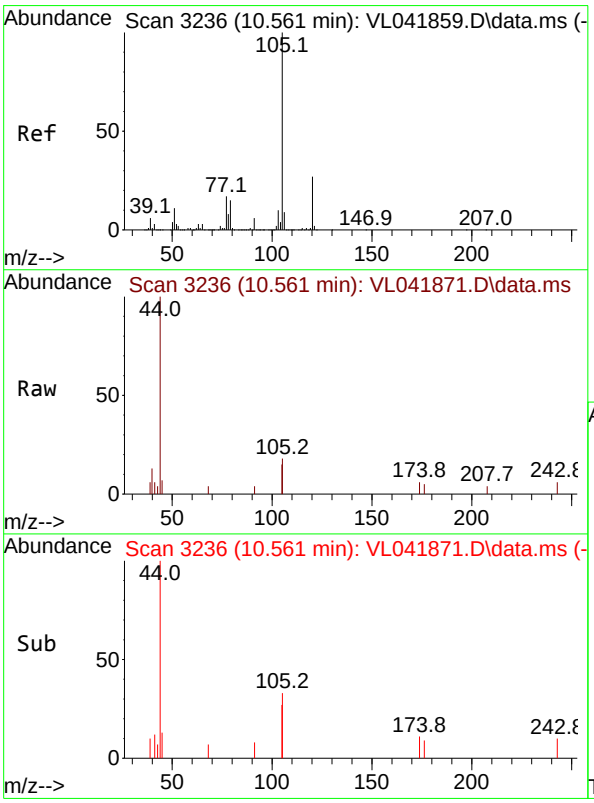
#61
Styrene
Concen: 0.005 ppbv
RT: 9.878 min Scan# 3
Delta R.T. -0.016 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 146

Ion	Ratio	Lower	Upper
104	100		
78	0.0	40.7	61.1#
103	0.0	37.0	55.6#

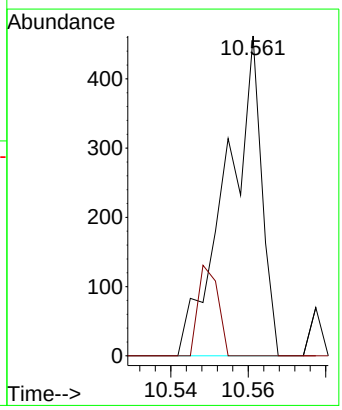


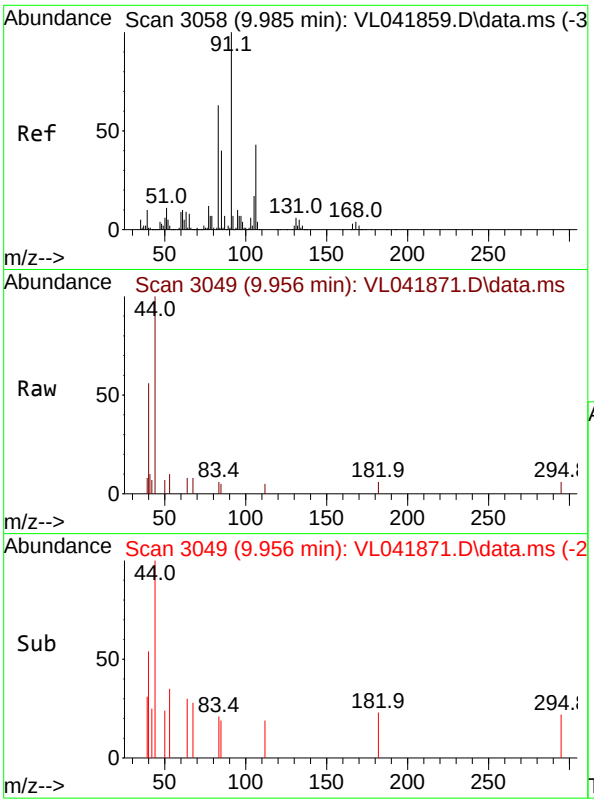


#62
Isopropylbenzene
Concen: 0.004 ppbv
RT: 10.561 min Scan# 3236
Delta R.T. -0.000 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion:105 Resp: 293

Ion	Ratio	Lower	Upper
105	100		
120	3.4	20.3	30.5#



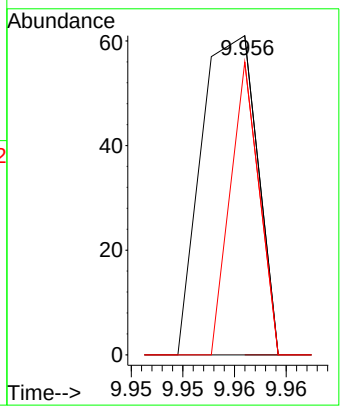


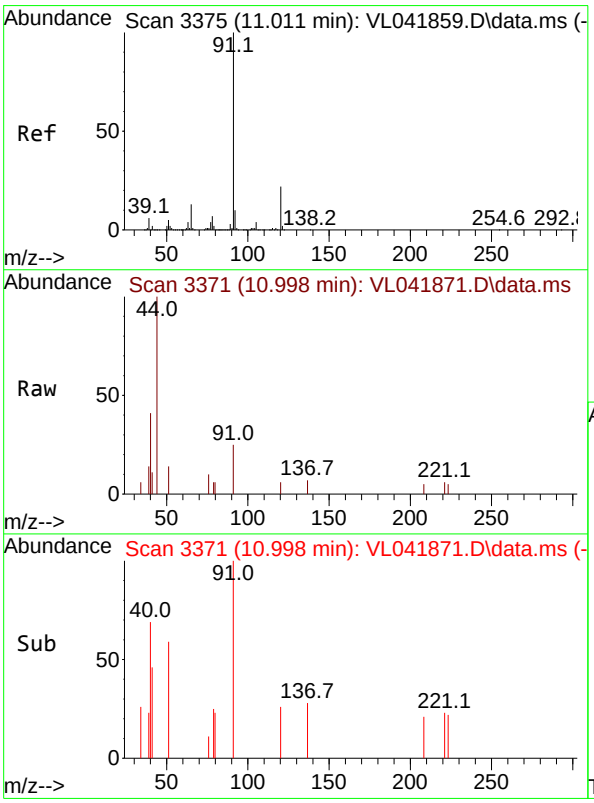
#63
1,1,2,2-Tetrachloroethane
Concen: 0.001 ppbv
RT: 9.956 min Scan# 3
Delta R.T. -0.029 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 23

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

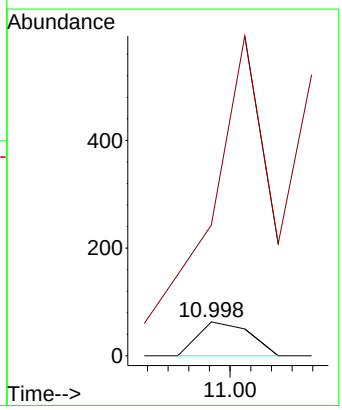


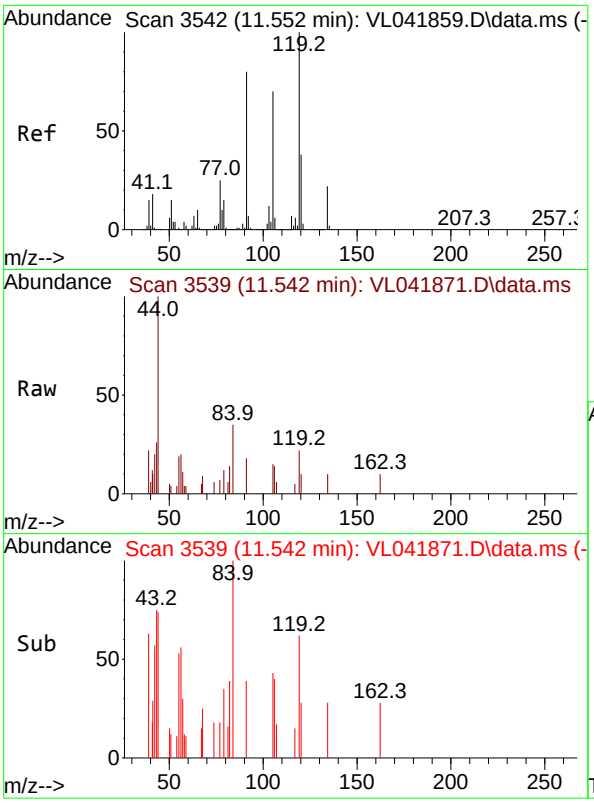


#64
n-propylbenzene
Concen: 0.001 ppbv
RT: 10.998 min Scan# 3371
Delta R.T. -0.013 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion:120 Resp: 22

Ion	Ratio	Lower	Upper
120	100		
91	2504.5	376.9	565.3#



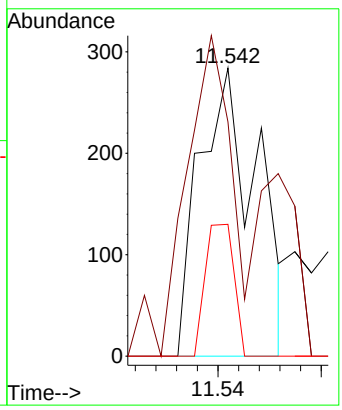


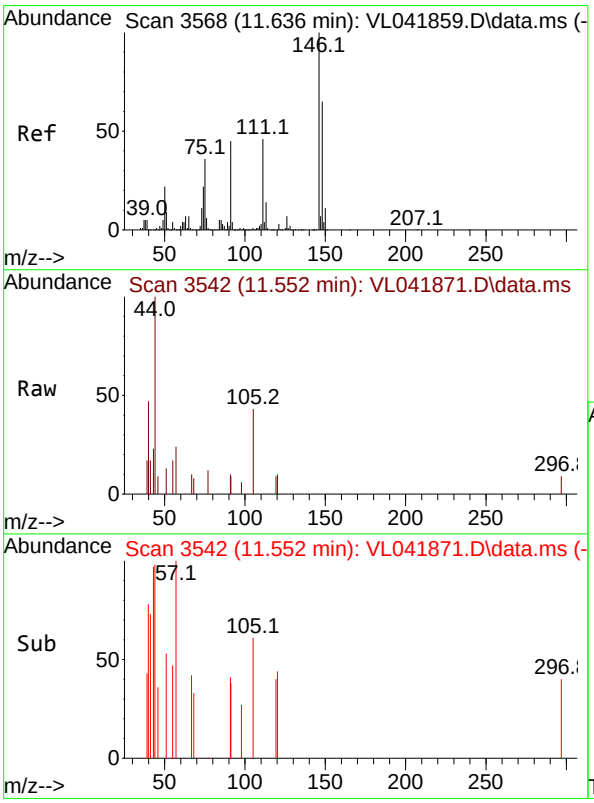
#65
tert-Butylbenzene
Concen: 0.003 ppbv
RT: 11.542 min Scan# 3
Delta R.T. -0.010 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 219

Ion	Ratio	Lower	Upper
119	100		
91	134.2	64.6	97.0#
134	0.0	16.9	25.3#

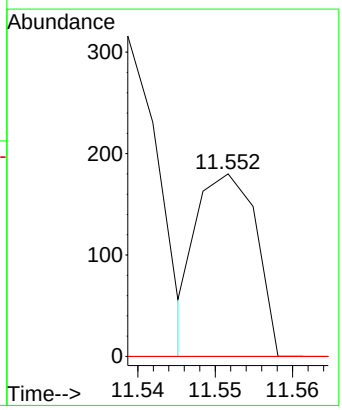


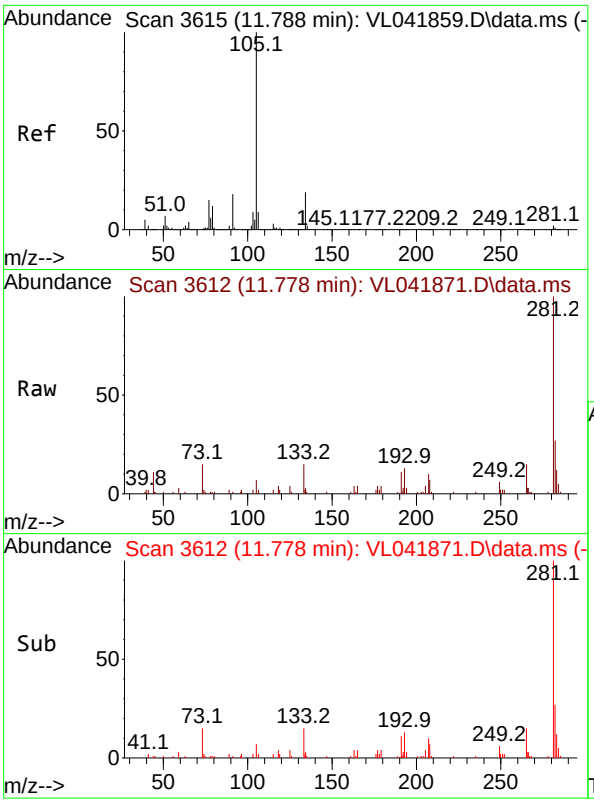


#66
Benzyl Chloride
Concen: 0.013 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. -0.084 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion: 91 Resp: 95

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



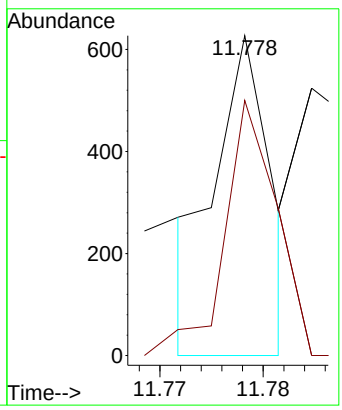


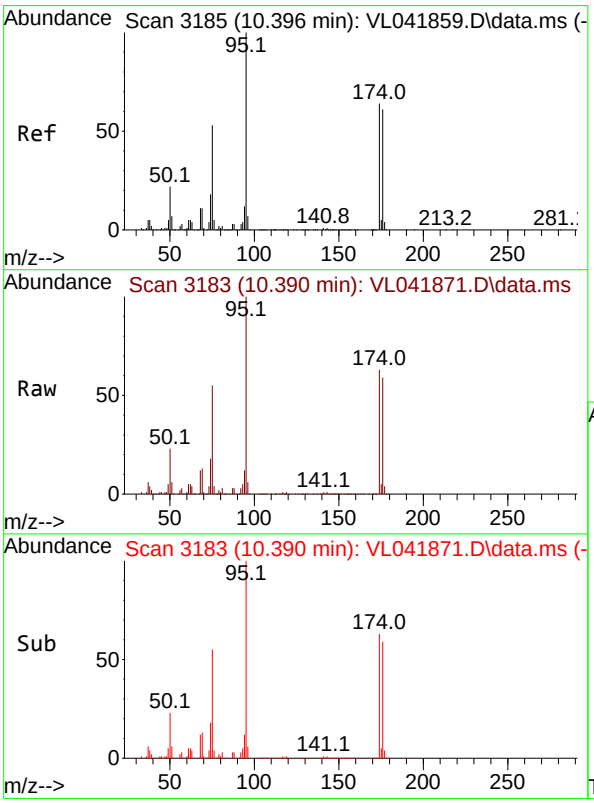
#67
sec-Butylbenzene
Concen: 0.002 ppbv
RT: 11.778 min Scan# 3
Delta R.T. -0.010 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 233

Ion	Ratio	Lower	Upper
105	100		
134	109.9	15.4	23.2#

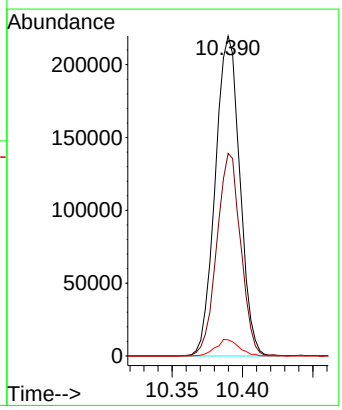


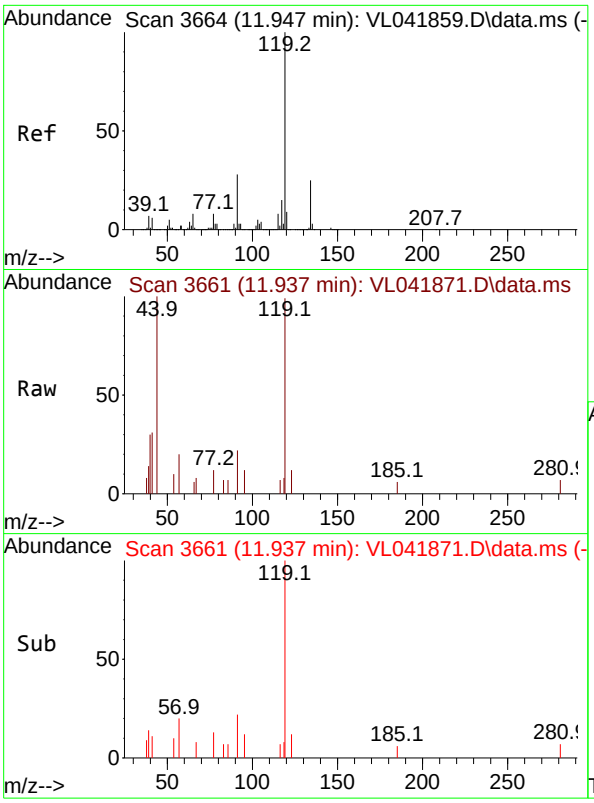


#68
1-Bromo-4-Fluorobenzene
Concen: 10.075 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. -0.007 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion: 95 Resp: 267140

Ion	Ratio	Lower	Upper
95	100		
174	61.6	51.1	76.7
175	4.9	3.8	5.8



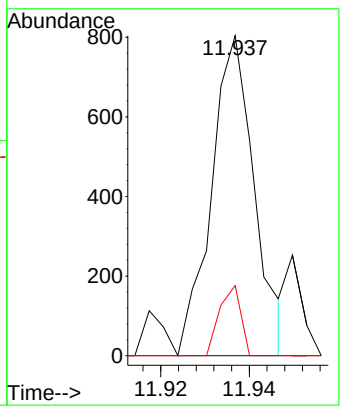


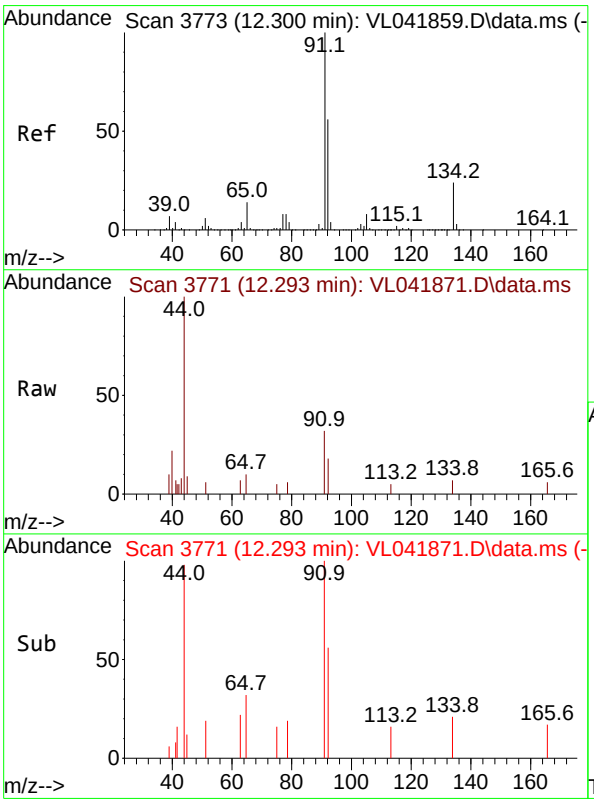
#69
p-Isopropyltoluene
Concen: 0.006 ppbv
RT: 11.937 min Scan# 3
Delta R.T. -0.010 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 543

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

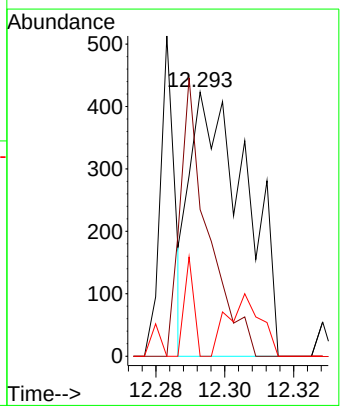


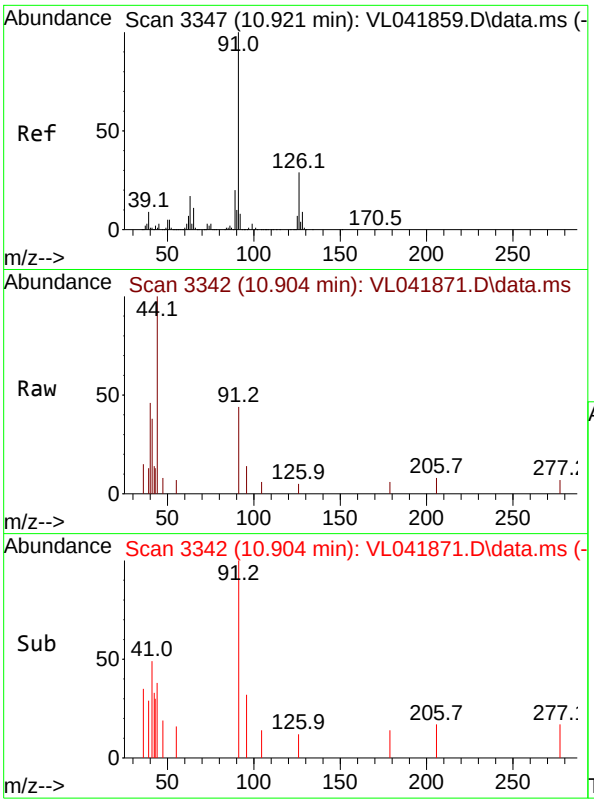


#70
n-Butylbenzene
Concen: 0.006 ppbv
RT: 12.293 min Scan# 3771
Delta R.T. -0.007 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion: 91 Resp: 477

Ion	Ratio	Lower	Upper
91	100		
92	52.6	43.8	65.8
134	20.3	19.3	28.9



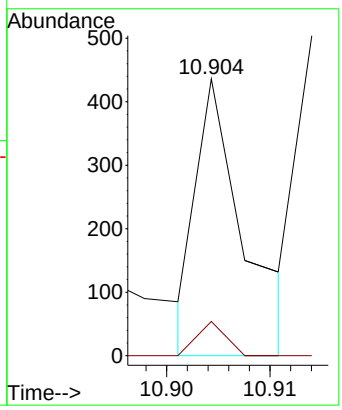


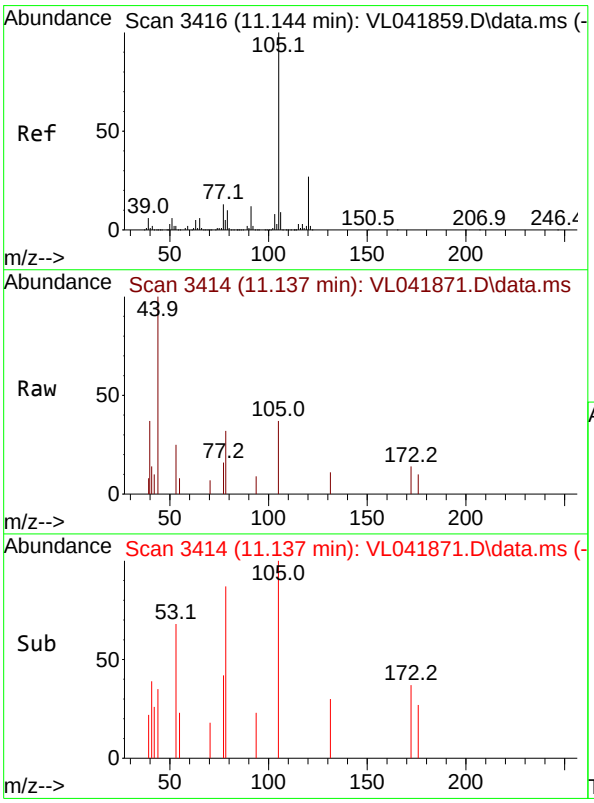
#71
2-Chlorotoluene
Concen: 0.002 ppbv
RT: 10.904 min Scan# 3
Delta R.T. -0.016 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 139

Ion	Ratio	Lower	Upper
91	100		
126	7.2	11.6	46.6#

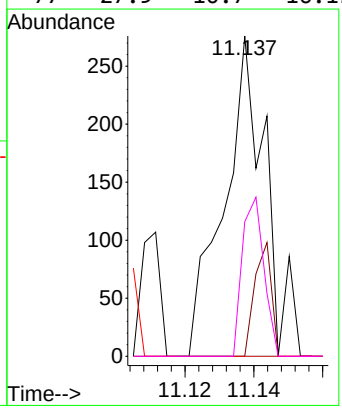


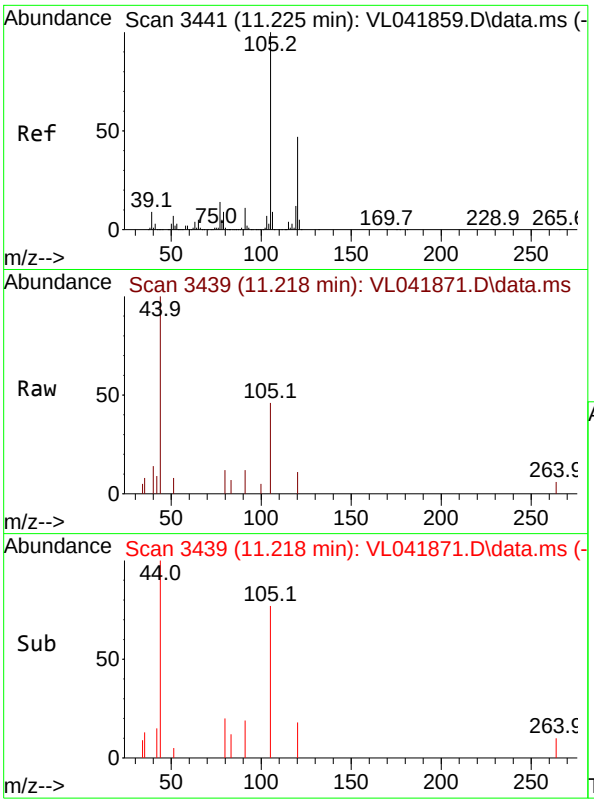


#72
4-Ethyltoluene
Concen: 0.003 ppbv
RT: 11.137 min Scan# 3414
Delta R.T. -0.007 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion:105 Resp: 215

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.5	35.3#
91	0.0	9.8	14.8#
77	27.9	10.7	16.1#



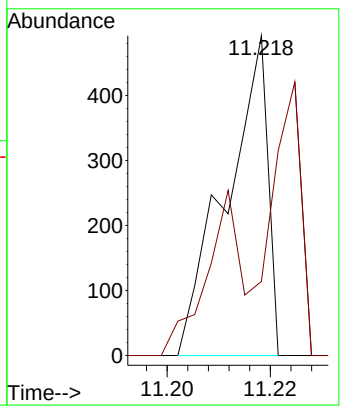


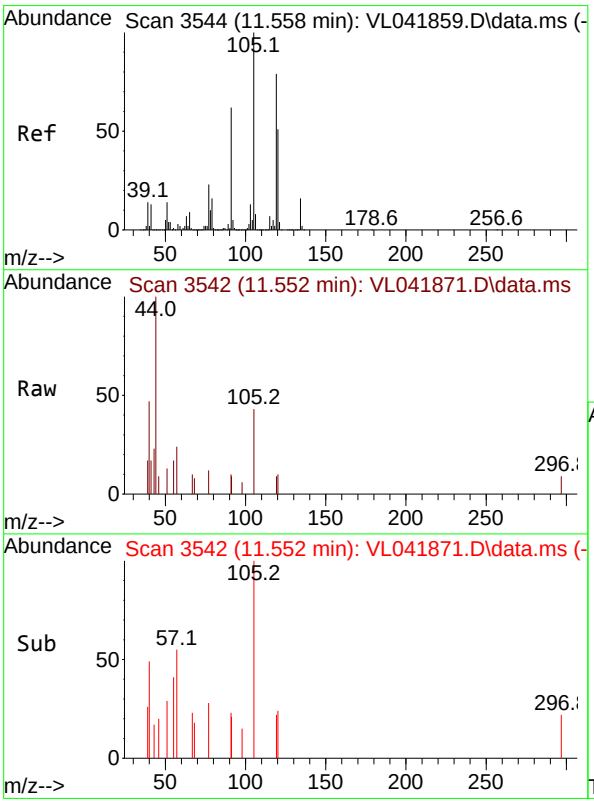
#73
1,3,5-Trimethylbenzene
Concen: 0.005 ppbv
RT: 11.218 min Scan# 34
Delta R.T. -0.007 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 275

Ion	Ratio	Lower	Upper
105	100		
120	12.4	37.2	55.8#

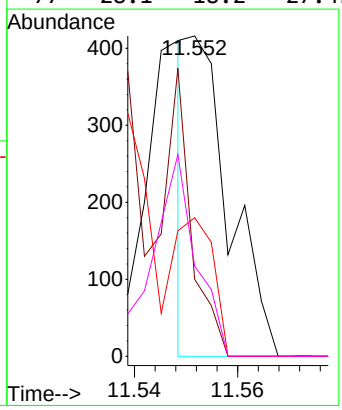


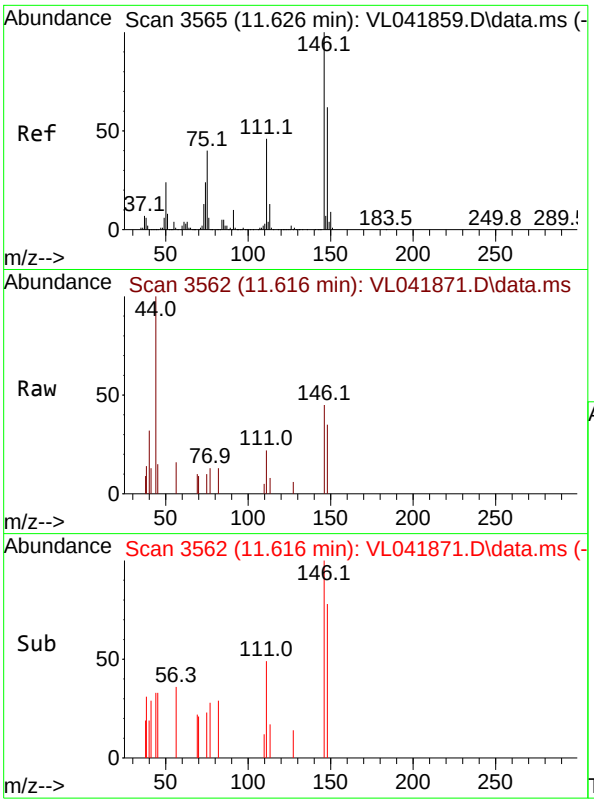


#74
1,2,4-Trimethylbenzene
Concen: 0.004 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. -0.007 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion:105 Resp: 232

Ion	Ratio	Lower	Upper
105	100		
120	24.0	41.1	61.7#
91	43.3	50.0	75.0#
77	28.1	18.2	27.4#



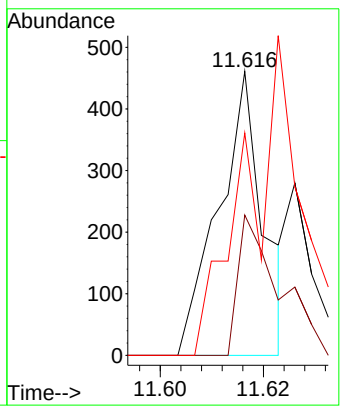


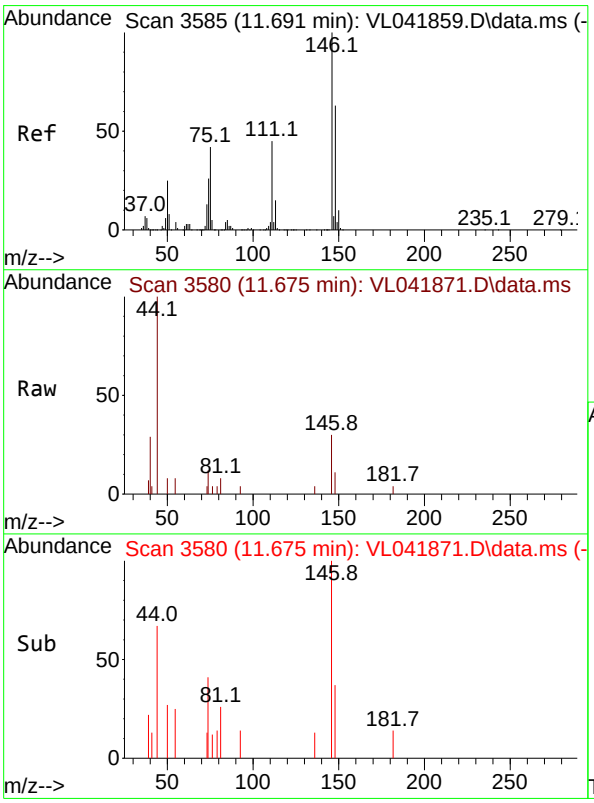
#75
1,3-Dichlorobenzene
Concen: 0.008 ppbv
RT: 11.616 min Scan# 3
Delta R.T. -0.010 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 276

Ion	Ratio	Lower	Upper
146	100		
111	45.7	23.2	69.5
148	0.0	31.6	94.7#

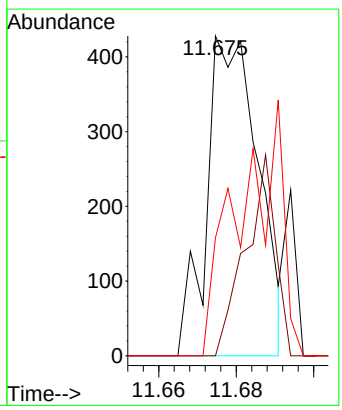


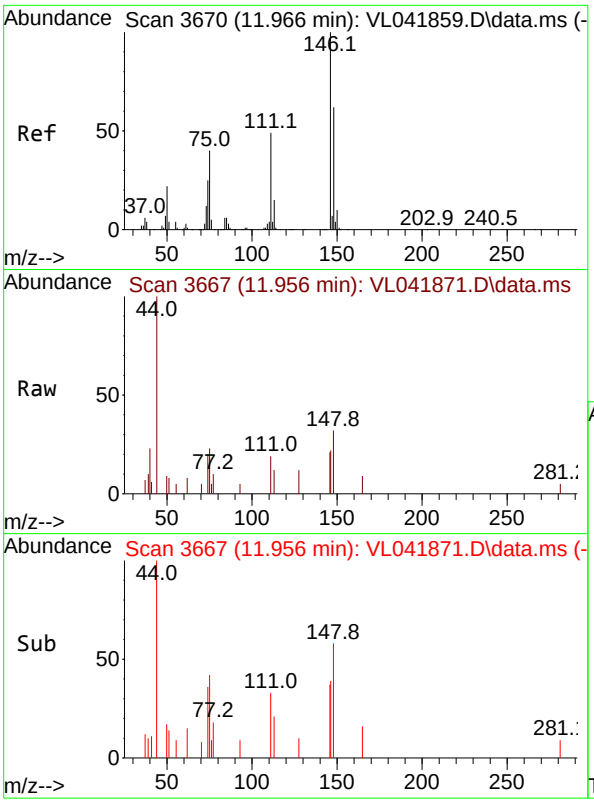


#76
1,4-Dichlorobenzene
Concen: 0.011 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.016 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion:146 Resp: 396

Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.1	66.1#
148	0.0	31.2	93.6#



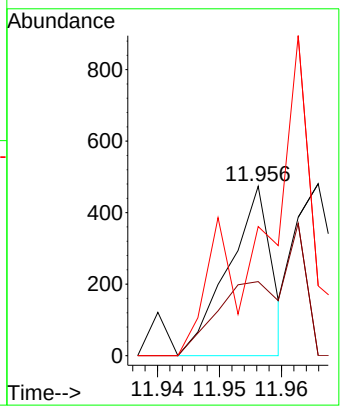


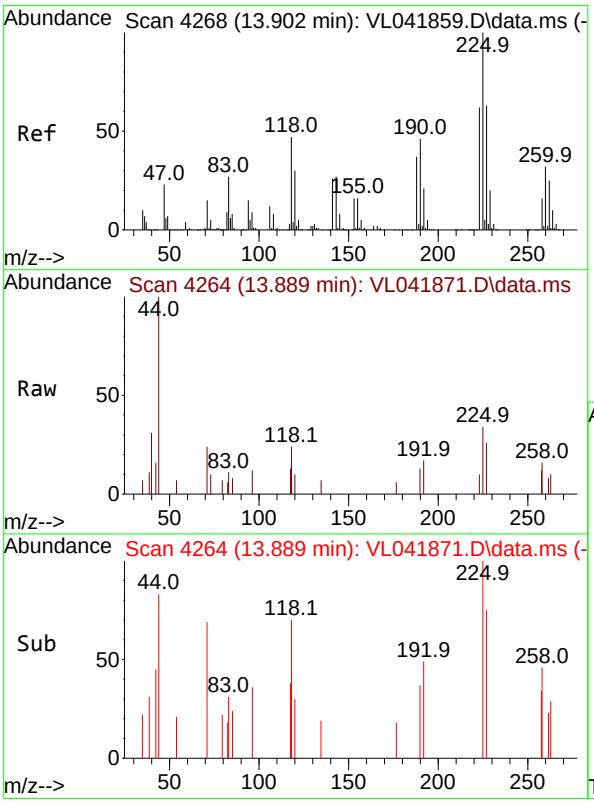
#77
1,2-Dichlorobenzene
Concen: 0.007 ppbv
RT: 11.956 min Scan# 3
Delta R.T. -0.010 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 231

Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.1	72.3#
148	0.0	31.5	94.5#

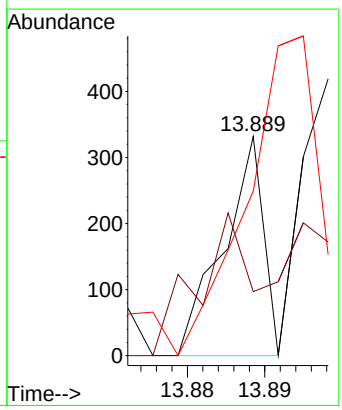


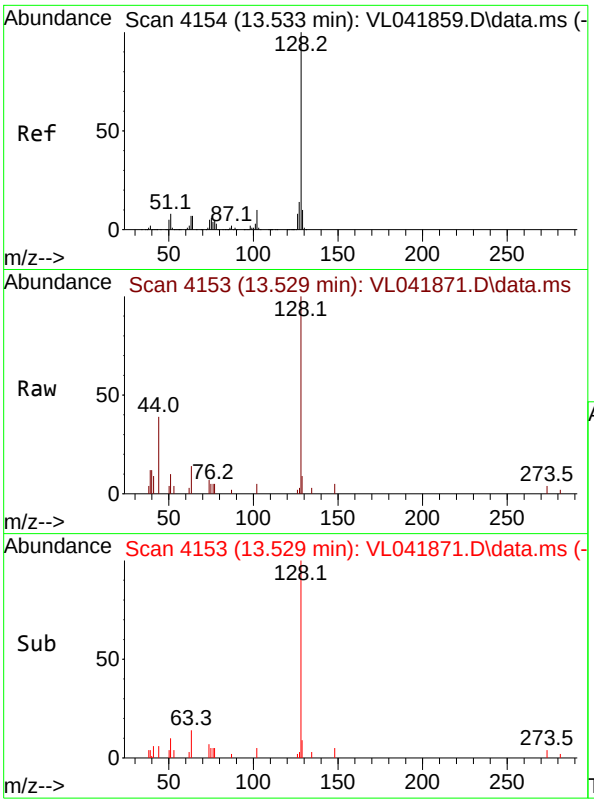


#78
Hexachloro-1,3-Butadiene
Concen: 0.004 ppbv
RT: 13.889 min Scan# 4264
Delta R.T. -0.013 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion:225 Resp: 120

Ion	Ratio	Lower	Upper
225	100		
223	161.7	50.6	75.8#
227	0.0	50.9	76.3#



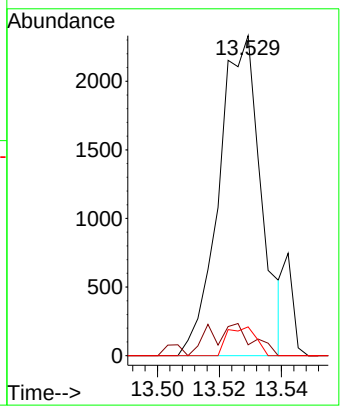


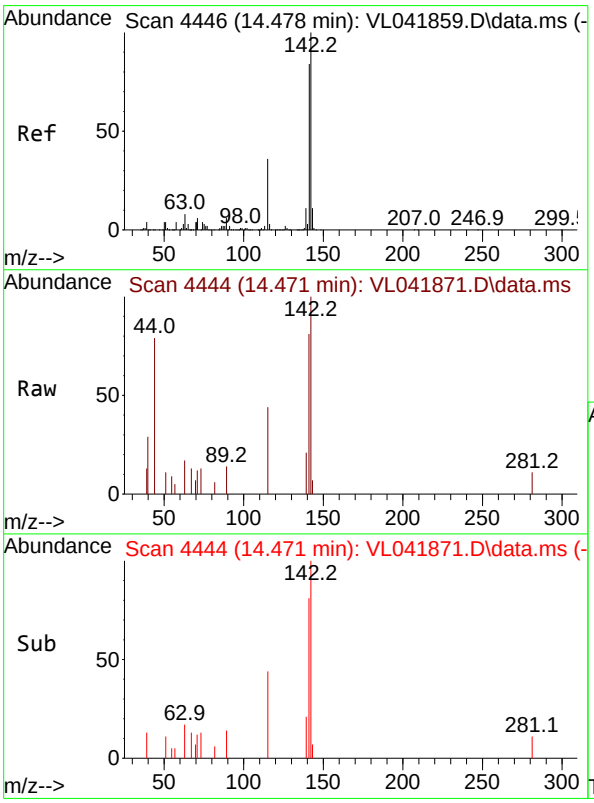
#79
Naphthalene
Concen: 0.034 ppbv
RT: 13.529 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 2193

Ion	Ratio	Lower	Upper
128	100		
127	3.1	10.8	16.2#
129	8.3	8.2	12.4

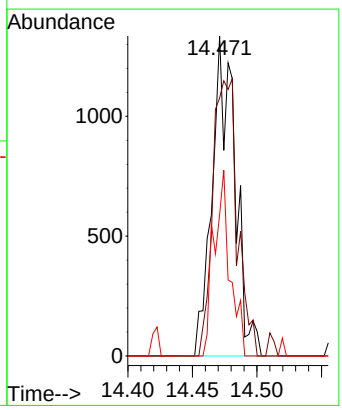


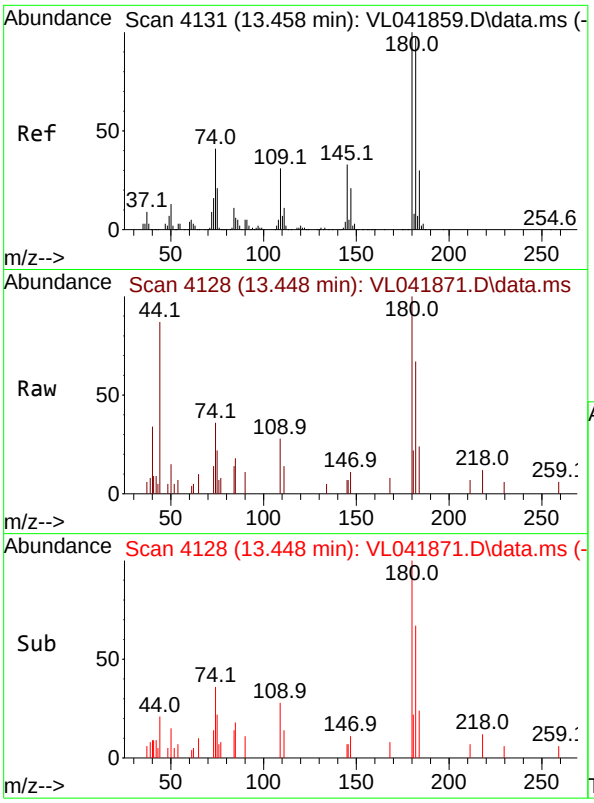


#80
Naphthalene,2-methyl-
Concen: 0.047 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. -0.007 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Tgt Ion:142 Resp: 1661

Ion	Ratio	Lower	Upper
142	100		
141	93.3	68.2	102.4
115	40.4	29.4	44.2





#81
1,2,4-Trichlorobenzene
Concen: 0.040 ppbv
RT: 13.448 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL041871.D
Acq: 09 Jan 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 1252

Ion	Ratio	Lower	Upper
180	100		
182	83.1	75.8	113.8
184	26.8	24.1	36.1