Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043105.D
Acq On : 14 Oct 2025 10:31
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Oct 15 01:51:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	103971	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	341790	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	309230	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	241468	10.046	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	132845	8.987	ppbv	100
3) Chlorodifluoromethane	1.476	51	150832	9.431	ppbv	100
4) Chloromethane	1.535	50	51934	8.869	ppbv	100
5) Vinyl Chloride	1.583	62	50044	8.713	ppbv	100
6) Bromomethane	1.671	94	27062	8.593	ppbv	100
7) Chloroethane	1.706	64	19941	8.492	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	108109	9.049	ppbv	100
9) Propene	1.483	41	68116	9.602	ppbv	100
10) Heptane	4.985	43	187423	9.217	ppbv	100
11) Trichlorofluoromethane	1.881	101	129180	8.935	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	101442	8.715	ppbv	100
13) Ethanol	1.722	45	20045	7.640	ppbv	100
14) Bromoethene	1.784	108	38553	8.916	ppbv	100
15) Acetone	1.836	43	113399	8.047	ppbv	100
16) 1,3-Butadiene	1.612	39	57406	8.596	ppbv	100
17) tert-Butyl alcohol	2.043	59	175630	9.130	ppbv	100
18) 1,1-Dichloroethene	2.036	96	45413	8.949	ppbv	100
19) Isopropyl Alcohol	1.887	45	75355	8.634	ppbv	97
20) Methylene Chloride	2.065	84	42212	7.620	ppbv	100
21) Allyl Chloride	2.098	41	94625	9.145	ppbv	100
22) trans-1,2-Dichloroethene	2.344	96	53146	8.761	ppbv	100
23) Vinyl Acetate	2.467	43	168706	8.218	ppbv	100
24) 1,1-Dichloroethane	2.412	63	107153	9.143	ppbv	100
25) Ethyl Acetate	2.839	43	325662	9.371	ppbv	100
26) Hexane	2.829	57	146168	9.128	ppbv	99
27) Carbon Disulfide	2.153	76	136729	9.319	ppbv	99
28) Methyl tert-Butyl Ether	2.441	73	61076	8.384	ppbv	98
29) Chloroform	2.852	83	211071	9.097	ppbv	100
30) Cyclohexane	3.862	84	126226	9.037	ppbv	100
31) cis-1,2-Dichloroethene	2.722	61	146072	9.553	ppbv	100
32) 1,1,1-Trichloroethane	3.373	97	222043	9.189	ppbv	100
34) 2-Butanone	2.557	43	207274	8.971	ppbv	100
35) Carbon Tetrachloride	3.768	117	221937	9.032	ppbv	100
36) Benzene	3.661	78	297653	9.246	ppbv	100
37) 1,2-Dichloroethane	3.221	62	165898	8.946	ppbv	100
38) Trichloroethene	4.554	130	116947	8.708	ppbv	100
39) 1,2-Dichloropropane	4.315	63	108446	9.207	ppbv	100
40) 1,4-Dioxane	4.583	88	48201	9.153	ppbv #	97
41) Tetrahydrofuran	3.056	42	117069	9.076	ppbv	100
42) Bromodichloromethane	4.496	83	238353	9.286	ppbv	100
43) Methyl Methacrylate	4.881	69	153927	9.371	ppbv	99
44) 2,2,4-Trimethylpentane	4.645	57	499148	9.273	ppbv	99
45) t-1,3-Dichloropropene	6.419	75	157856	9.620	ppbv	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043105.D
Acq On : 14 Oct 2025 10:31
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Oct 15 01:51:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

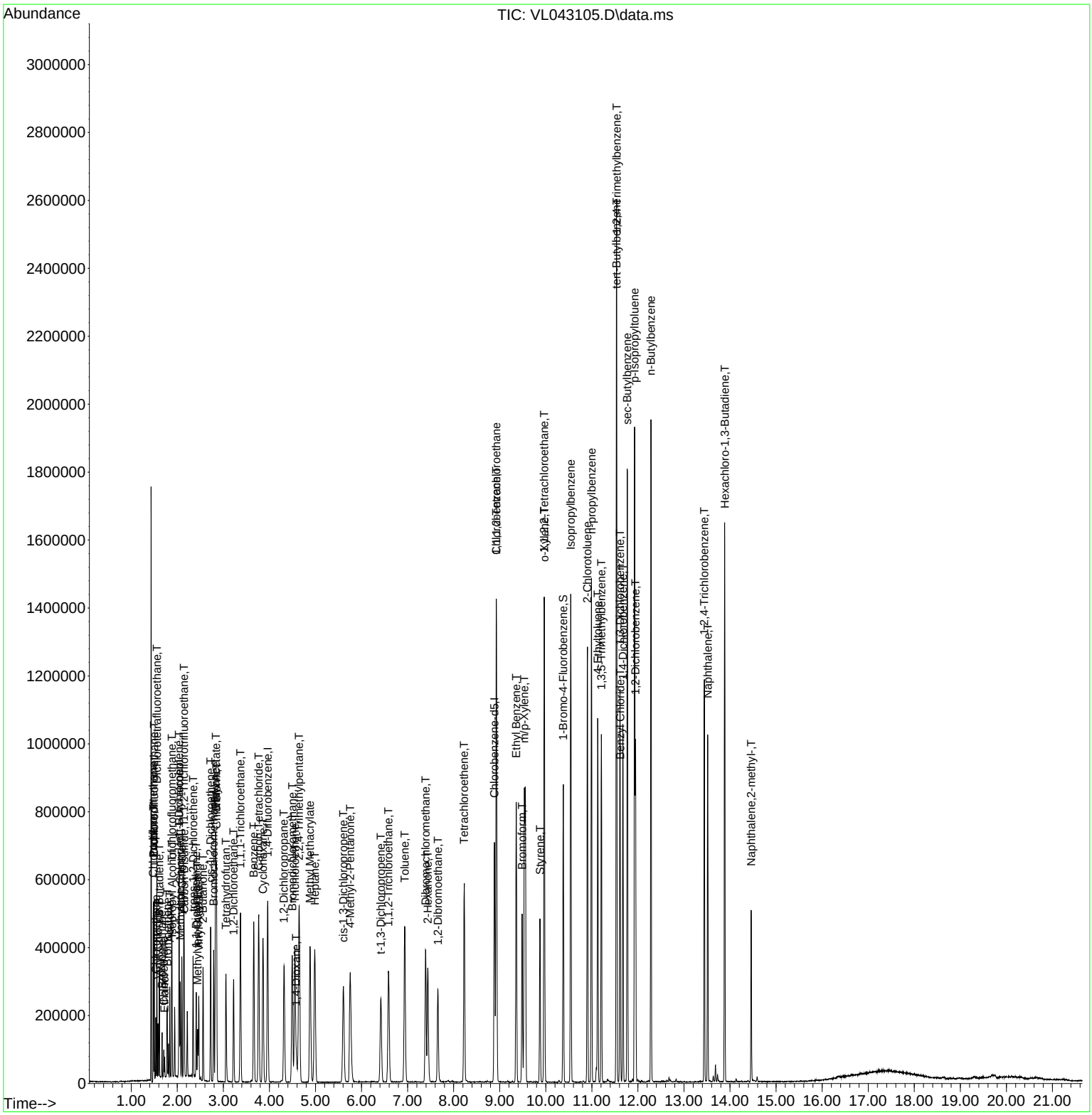
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	186533	9.525	ppbv		100
47) 1,1,2-Trichloroethane	6.584	97	115419	9.082	ppbv		100
48) Dibromochloromethane	7.390	129	201349	9.476	ppbv		100
49) Bromoform	9.487	173	166377	9.633	ppbv		100
50) 4-Methyl-2-Pentanone	5.755	43	298401	9.362	ppbv		100
51) 2-Hexanone	7.438	43	236391	9.940	ppbv		100
52) Tetrachloroethene	8.228	164	106710	9.192	ppbv		100
53) Toluene	6.940	91	354007	9.266	ppbv		100
54) 1,2-Dibromoethane	7.658	107	182074	9.080	ppbv		100
56) 1,1,1,2-Tetrachloroethane	8.927	131	182585	9.367	ppbv		100
57) Chlorobenzene	8.927	112	262566	9.076	ppbv		100
58) Ethyl Benzene	9.358	91	494344	9.241	ppbv		100
59) m/p-Xylene	9.536	91	403670	9.529	ppbv	#	29
60) o-Xylene	9.969	91	378462	9.053	ppbv		100
61) Styrene	9.875	104	178859	9.477	ppbv		100
62) Isopropylbenzene	10.542	105	692992	9.173	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.966	83	240245	8.582	ppbv		100
64) n-propylbenzene	10.992	120	182233	9.112	ppbv		100
65) tert-Butylbenzene	11.536	119	587750	8.810	ppbv		100
66) Benzyl Chloride	11.617	91	74574	10.009	ppbv		100
67) sec-Butylbenzene	11.769	105	834052	8.809	ppbv		100
69) p-Isopropyltoluene	11.927	119	720433	8.955	ppbv		100
70) n-Butylbenzene	12.283	91	717743	9.053	ppbv		100
71) 2-Chlorotoluene	10.905	91	524961	9.111	ppbv		100
72) 4-Ethyltoluene	11.128	105	473042	9.202	ppbv		100
73) 1,3,5-Trimethylbenzene	11.206	105	389818	9.195	ppbv		100
74) 1,2,4-Trimethylbenzene	11.539	105	411619	8.676	ppbv		100
75) 1,3-Dichlorobenzene	11.610	146	252926	9.192	ppbv		100
76) 1,4-Dichlorobenzene	11.675	146	254461	9.171	ppbv		100
77) 1,2-Dichlorobenzene	11.950	146	236724	8.893	ppbv		100
78) Hexachloro-1,3-Butadiene	13.886	225	171777	8.334	ppbv		100
79) Naphthalene	13.517	128	488672	9.972	ppbv		100
80) Naphthalene,2-methyl-	14.458	142	147897	11.431	ppbv		100
81) 1,2,4-Trichlorobenzene	13.442	180	197210	9.582	ppbv		100

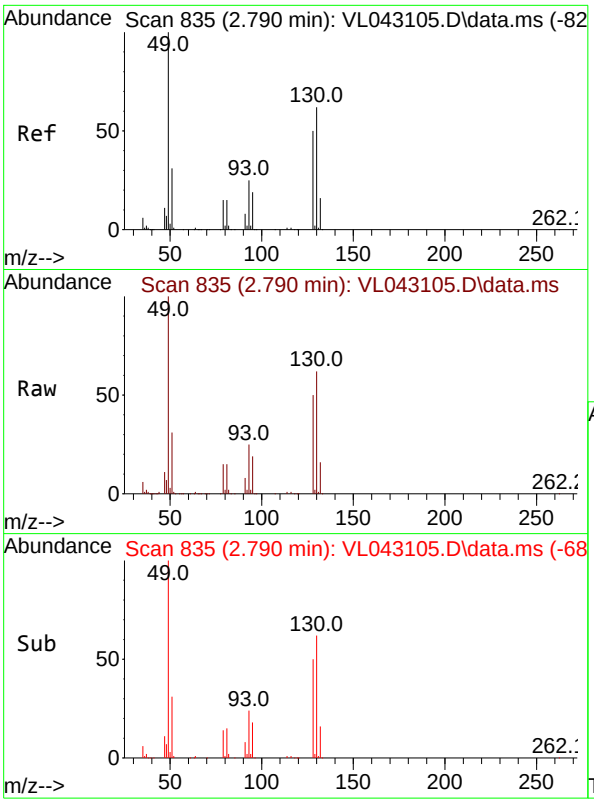
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043105.D
Acq On : 14 Oct 2025 10:31
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Oct 15 01:51:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration



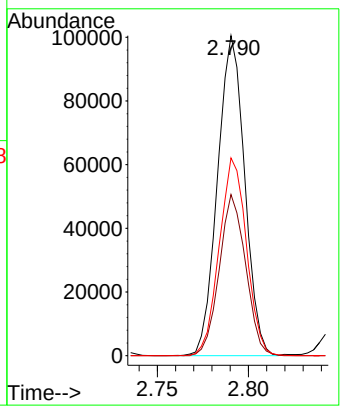


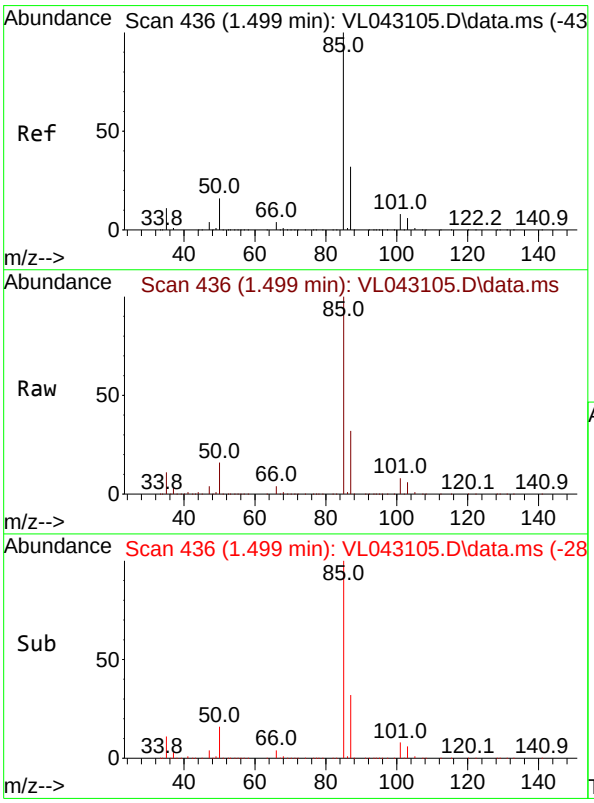
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 49 Resp: 103971

Ion	Ratio	Lower	Upper
49	100		
128	48.9	24.4	73.4
130	62.0	31.0	93.0

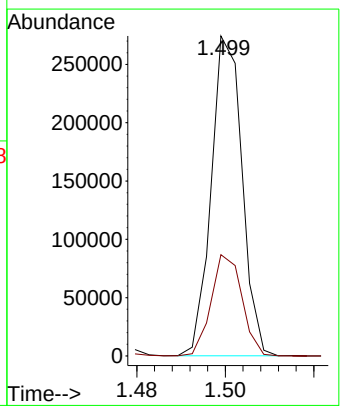


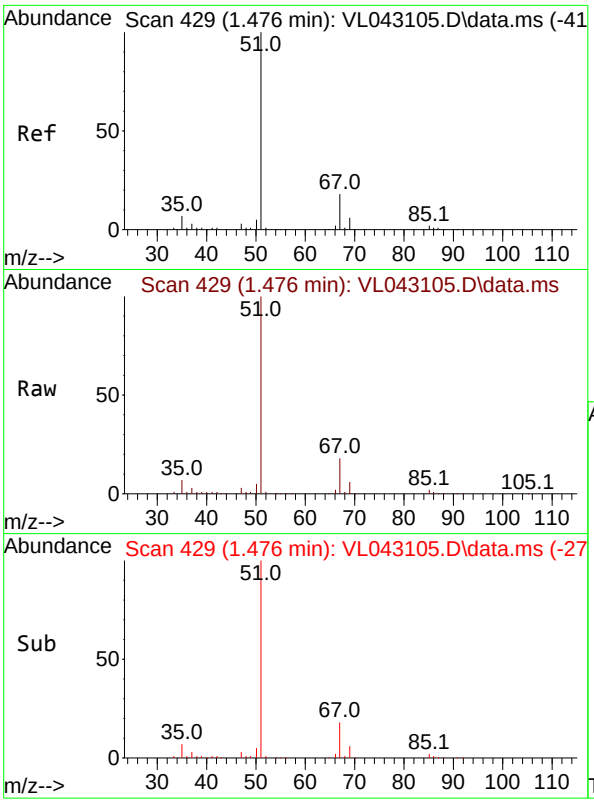


#2
Dichlorodifluoromethane
Concen: 8.987 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 85 Resp: 132845

Ion	Ratio	Lower	Upper
85	100		
87	31.6	25.3	37.9



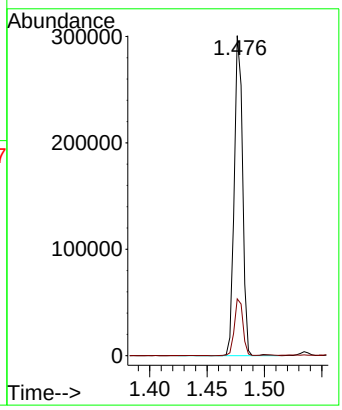


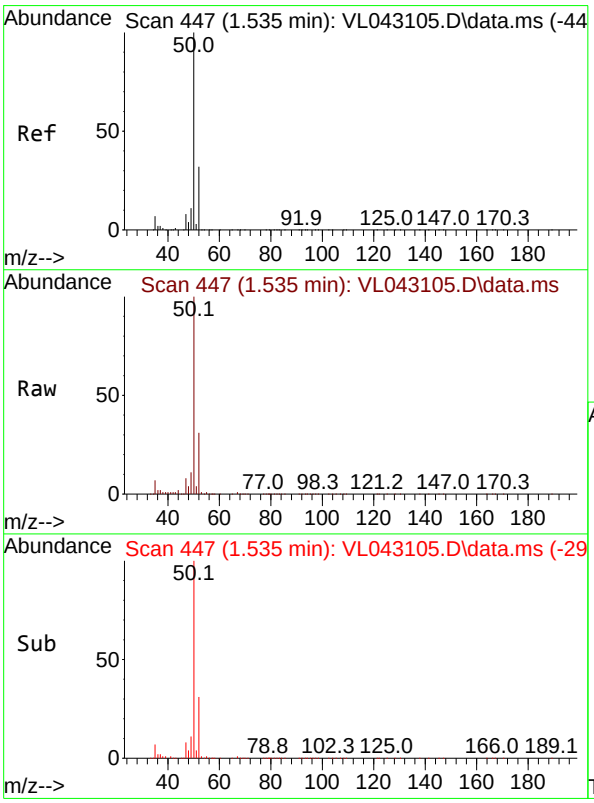
#3
Chlorodifluoromethane
Concen: 9.431 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 51 Resp: 150832

Ion	Ratio	Lower	Upper
51	100		
67	18.9	15.1	22.7

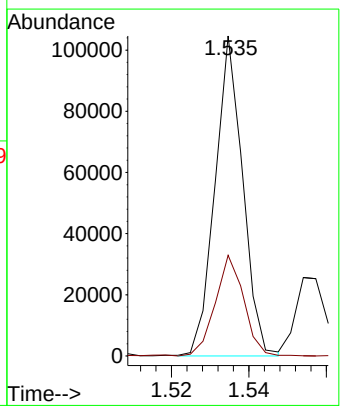


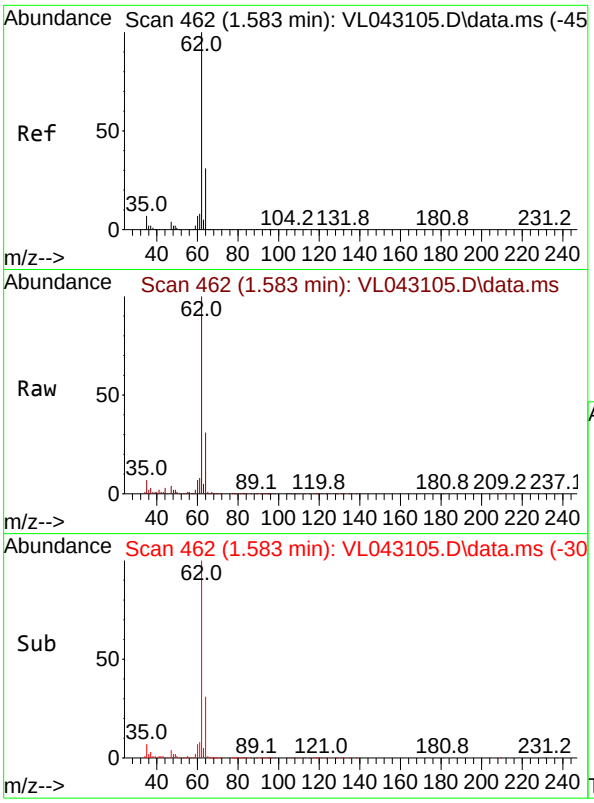


#4
Chloromethane
Concen: 8.869 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 50 Resp: 51934

Ion	Ratio	Lower	Upper
50	100		
52	31.5	25.2	37.8



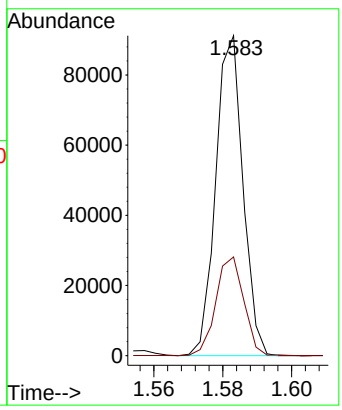


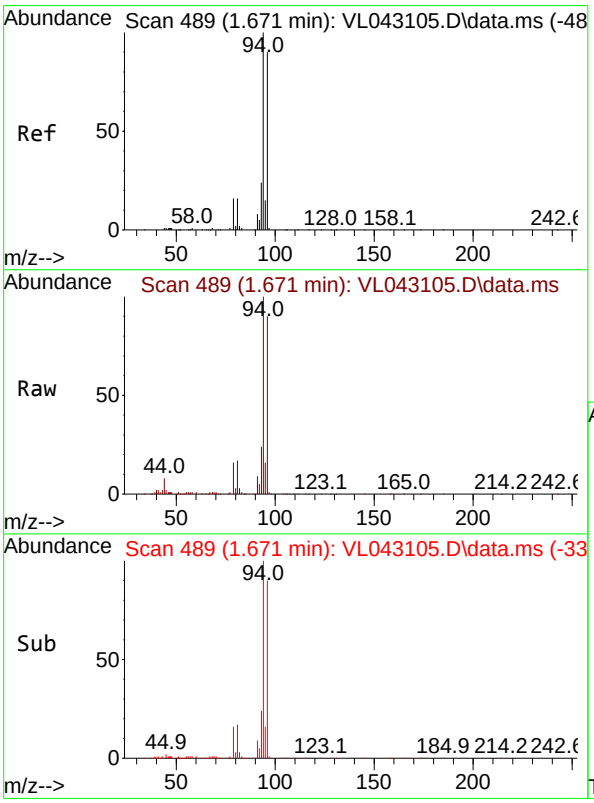
#5
Vinyl Chloride
Concen: 8.713 ppbv
RT: 1.583 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 50044

Ion	Ratio	Lower	Upper
62	100		
64	30.7	24.6	36.8

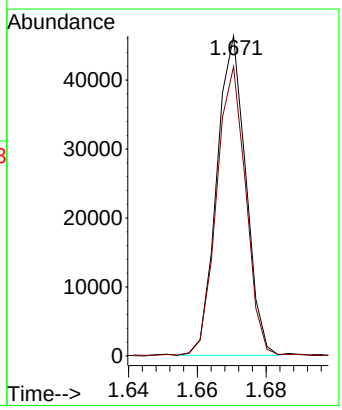


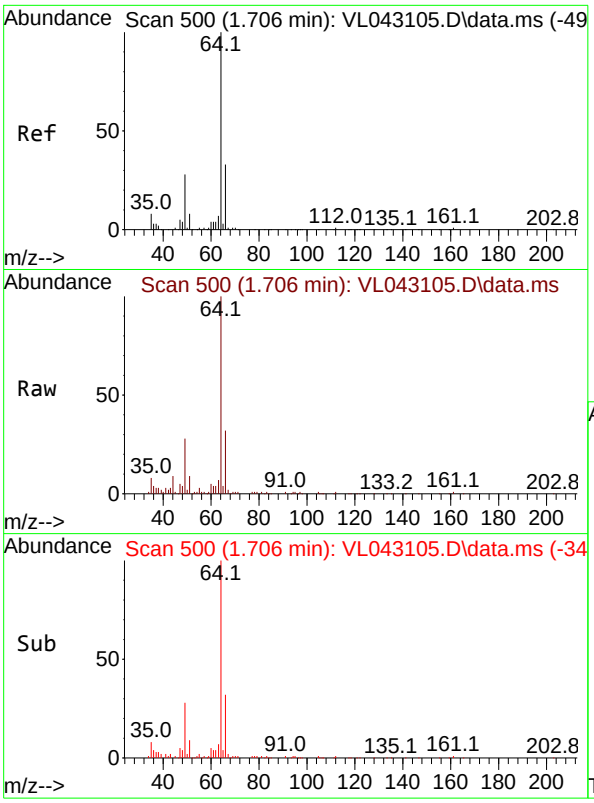


#6
Bromomethane
Concen: 8.593 ppbv
RT: 1.671 min Scan# 489
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 94 Resp: 27062

Ion	Ratio	Lower	Upper
94	100		
96	90.3	72.2	108.4



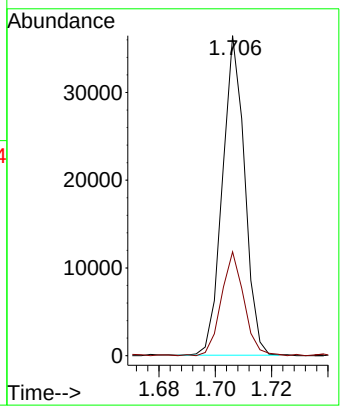


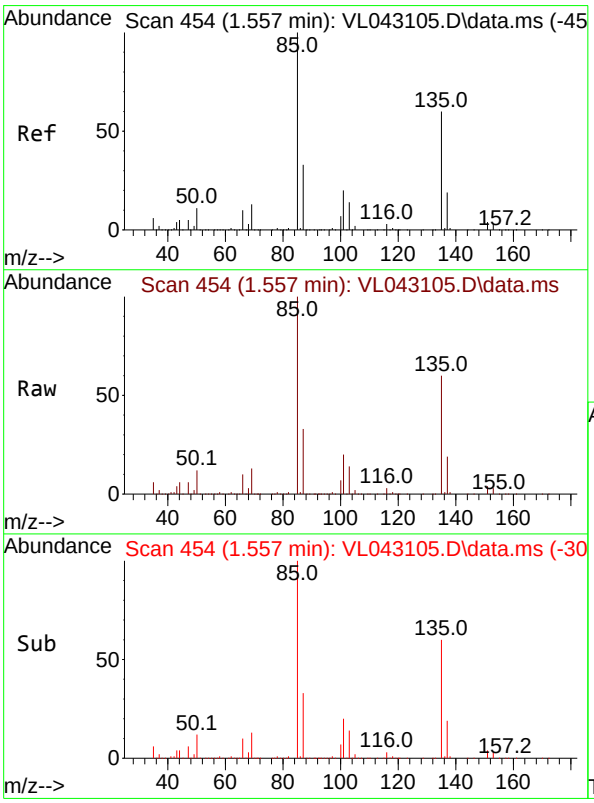
#7
Chloroethane
Concen: 8.492 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 19941

Ion	Ratio	Lower	Upper
64	100		
66	32.5	26.0	39.0

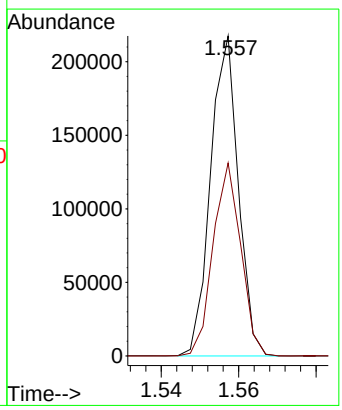


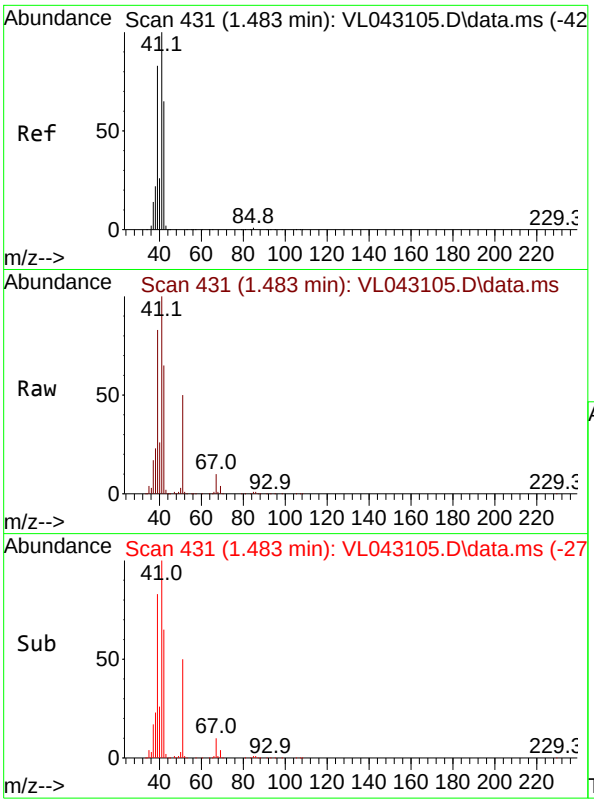


#8
Dichlorotetrafluoroethane
Concen: 9.049 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 85 Resp: 108109

Ion	Ratio	Lower	Upper
85	100		
135	60.3	48.2	72.4



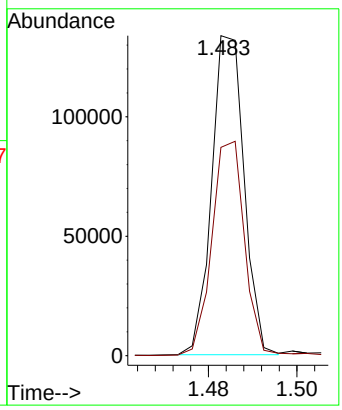


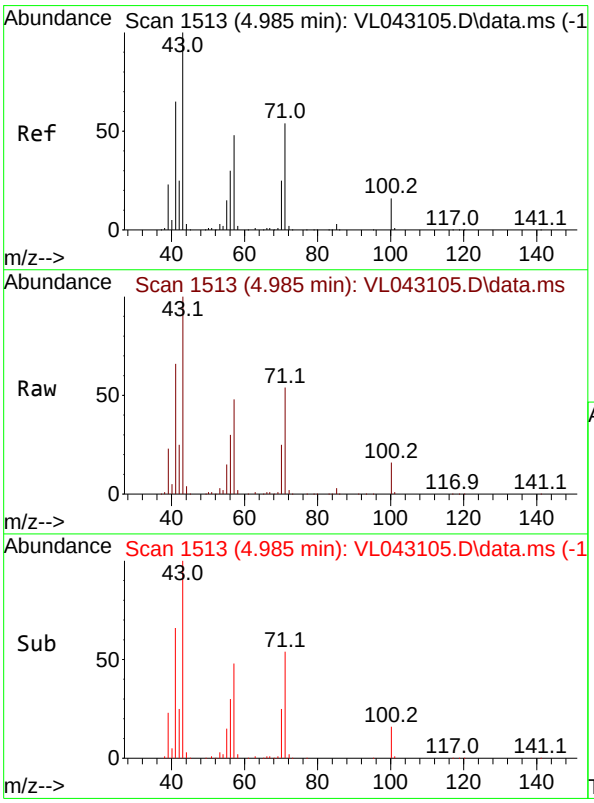
#9
Propene
Concen: 9.602 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 68116

Ion	Ratio	Lower	Upper
41	100		
42	68.9	55.1	82.7

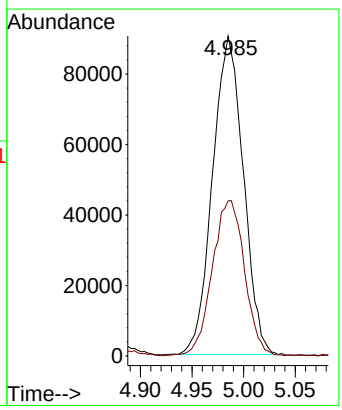


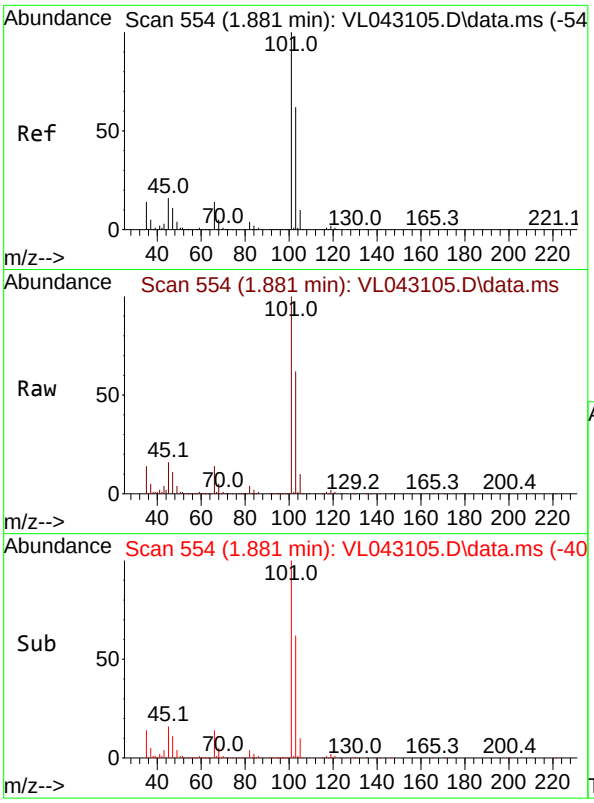


#10
Heptane
Concen: 9.217 ppbv
RT: 4.985 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 43 Resp: 187423

Ion	Ratio	Lower	Upper
43	100		
57	50.9	40.8	61.2



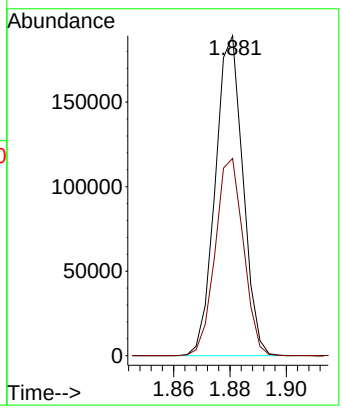


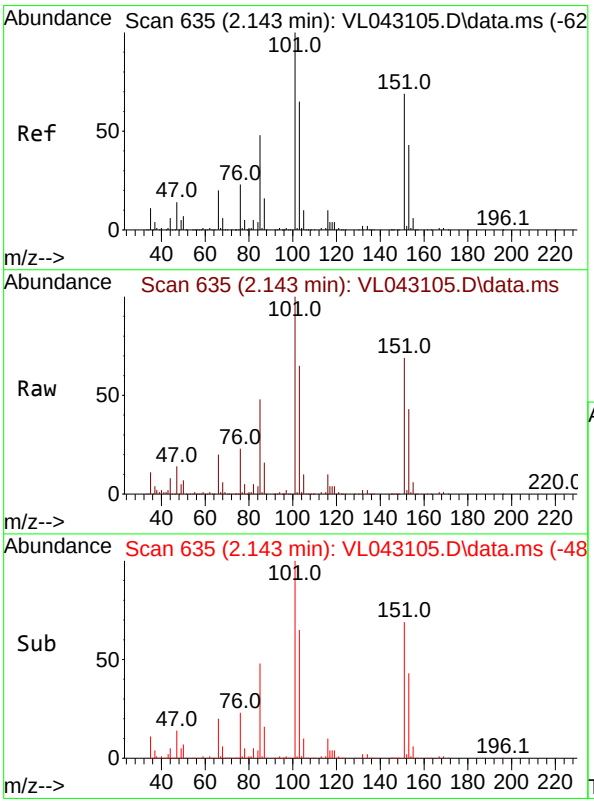
#11
Trichlorofluoromethane
Concen: 8.935 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 129180

Ion	Ratio	Lower	Upper
101	100		
103	61.6	49.3	73.9

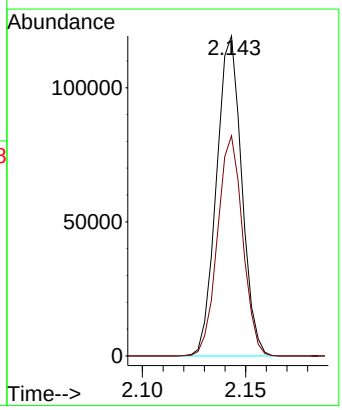


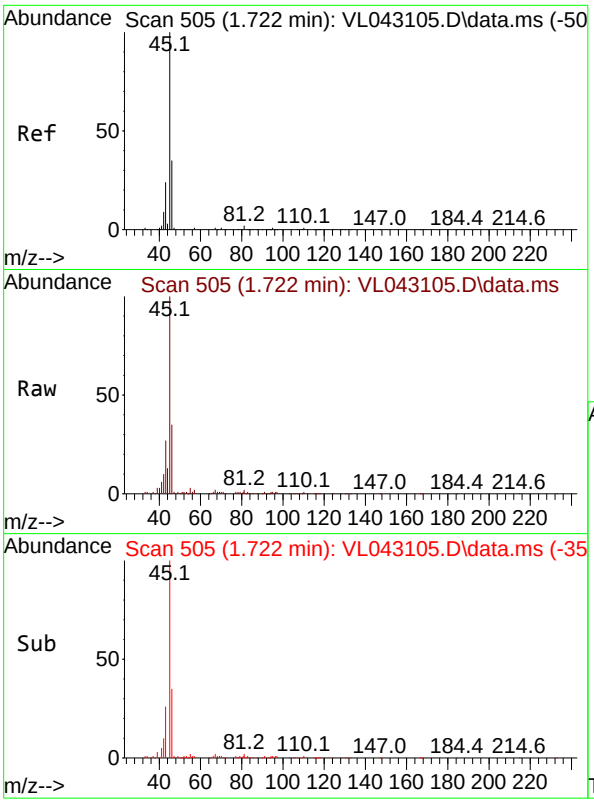


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.715 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:101 Resp: 101442

Ion	Ratio	Lower	Upper
101	100		
151	68.4	54.7	82.1



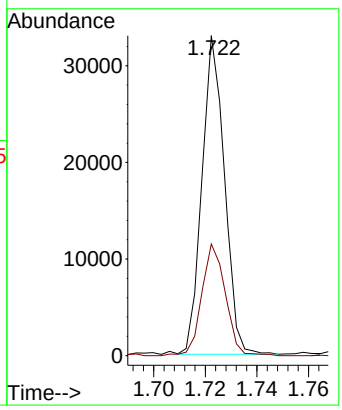


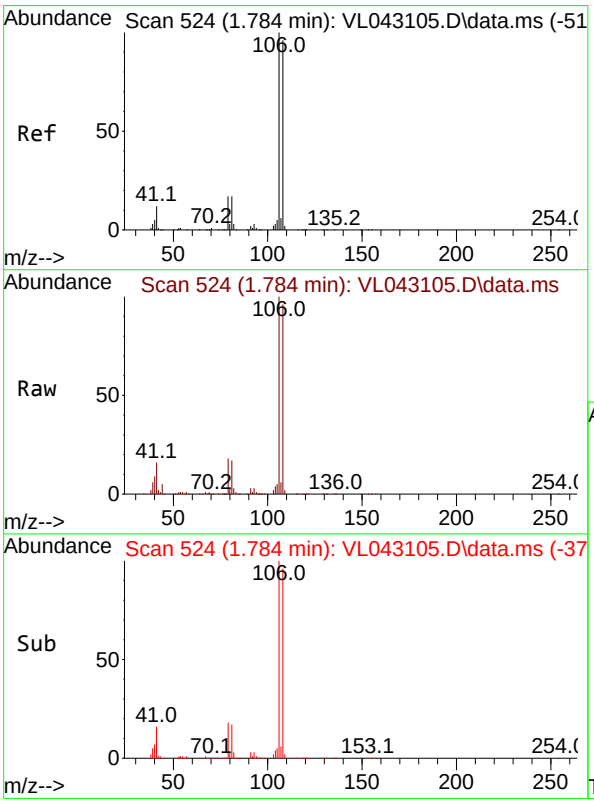
#13
Ethanol
Concen: 7.640 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 20045

Ion	Ratio	Lower	Upper
45	100		
46	36.8	14.7	58.9

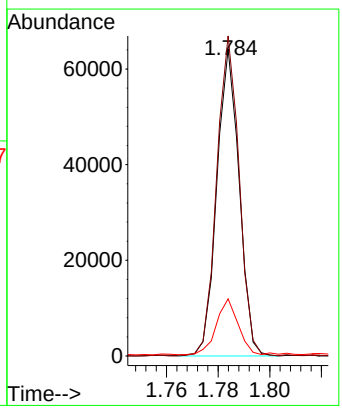


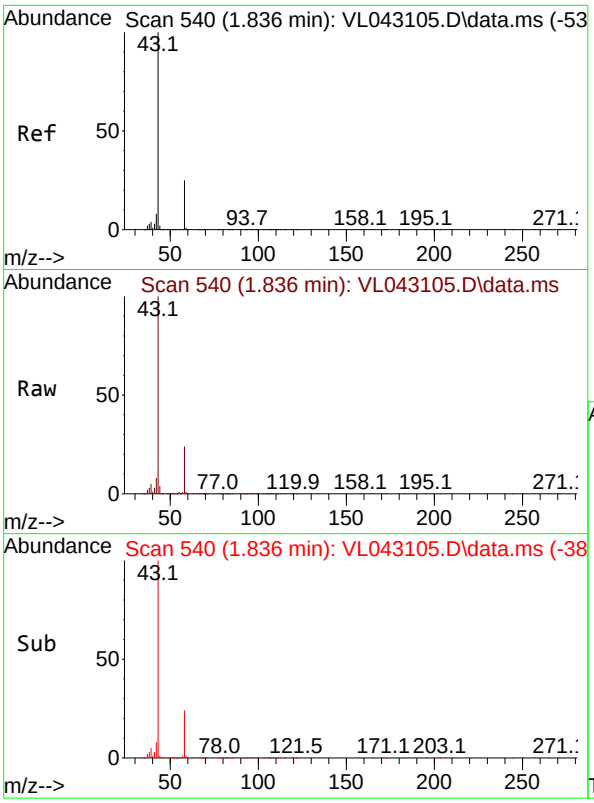


#14
Bromoethene
Concen: 8.916 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:108 Resp: 38553

Ion	Ratio	Lower	Upper
108	100		
106	105.5	84.4	126.6
79	19.1	15.3	22.9



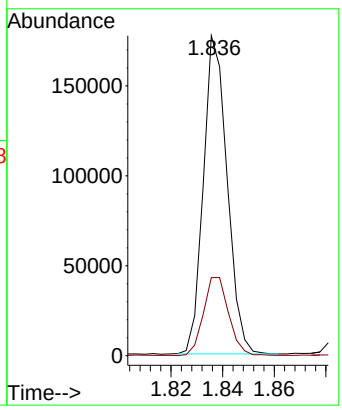


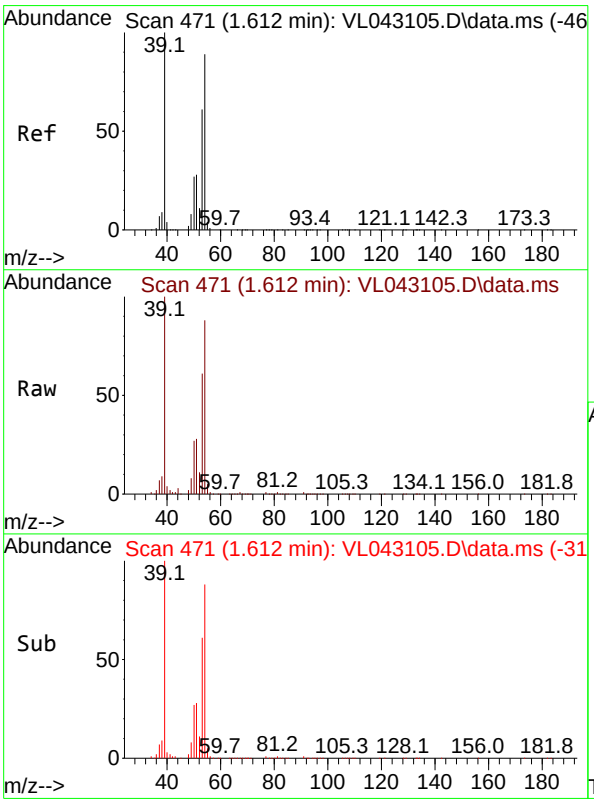
#15
Acetone
Concen: 8.047 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 113399

Ion	Ratio	Lower	Upper
43	100		
58	26.0	20.8	31.2

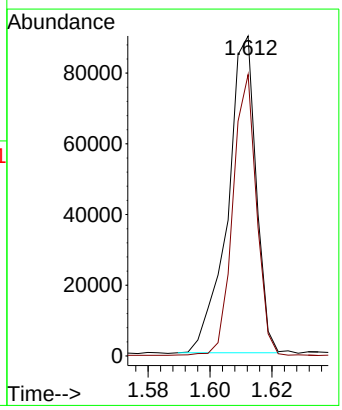


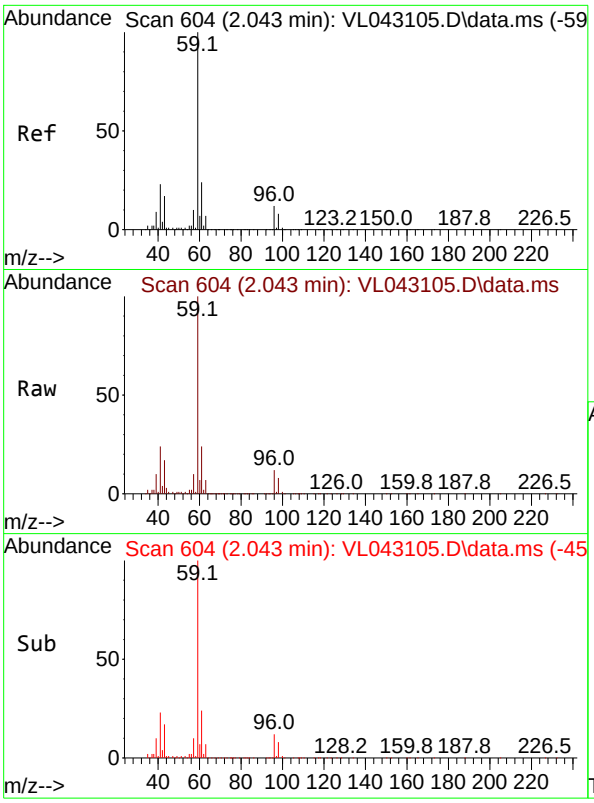


#16
1,3-Butadiene
Concen: 8.596 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 39 Resp: 57406

Ion	Ratio	Lower	Upper
39	100		
54	73.7	59.0	88.4



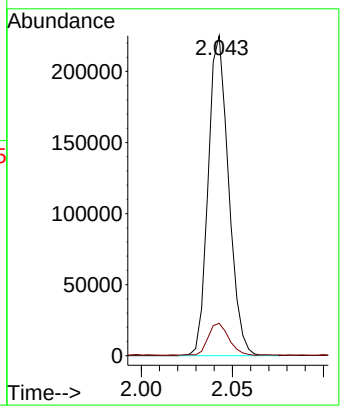


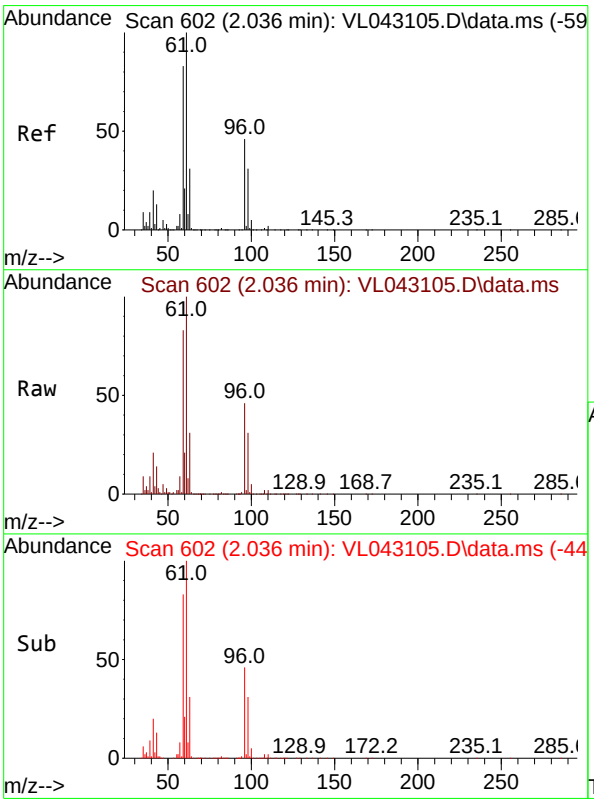
#17
tert-Butyl alcohol
Concen: 9.130 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 175630

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

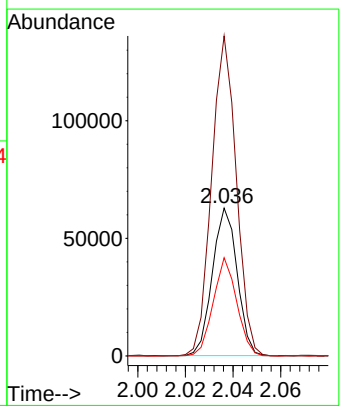


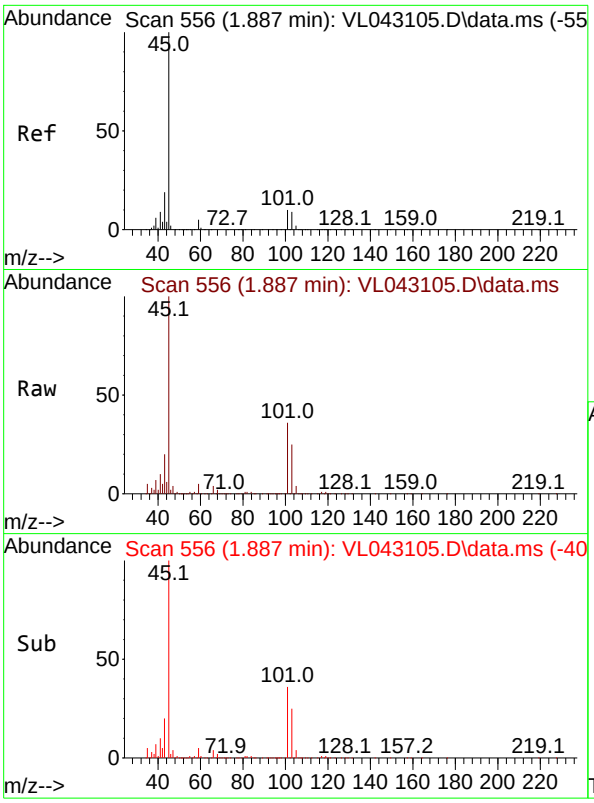


#18
1,1-Dichloroethene
Concen: 8.949 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 96 Resp: 45413

Ion	Ratio	Lower	Upper
96	100		
61	216.7	173.4	260.0
98	66.5	53.2	79.8



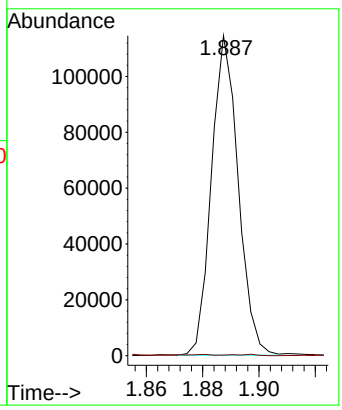


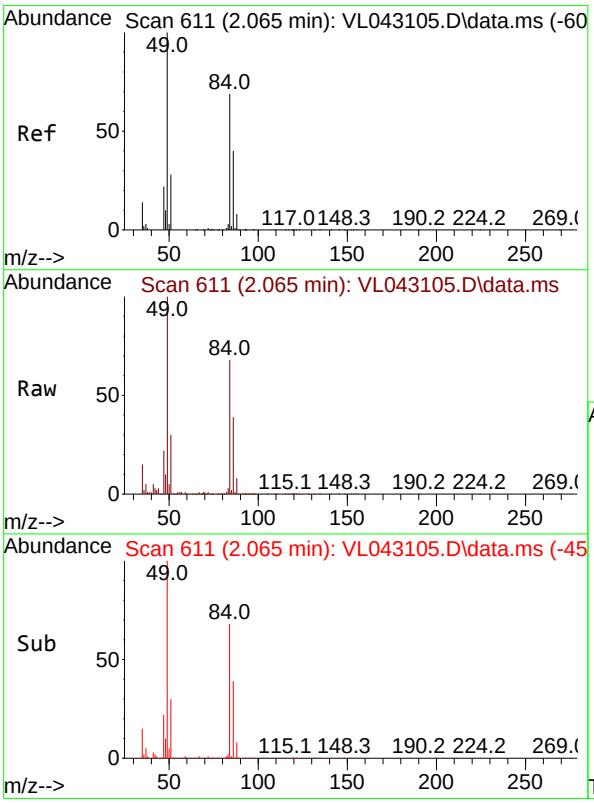
#19
Isopropyl Alcohol
Concen: 8.634 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 75355

Ion	Ratio	Lower	Upper
45	100		
58	41.1	31.3	46.9

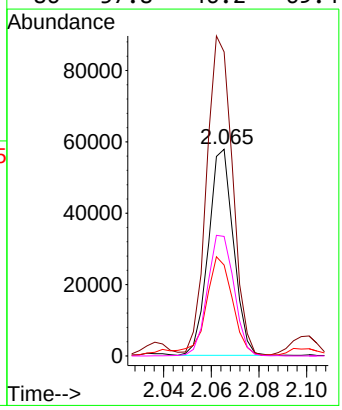


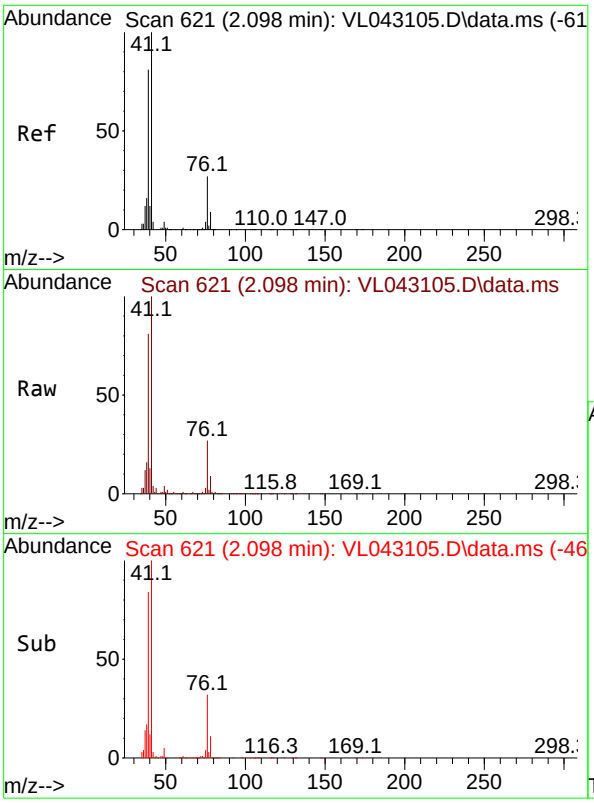


#20
Methylene Chloride
Concen: 7.620 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 84 Resp: 42212

Ion	Ratio	Lower	Upper
84	100		
49	145.8	116.6	175.0
51	43.5	34.8	52.2
86	57.8	46.2	69.4



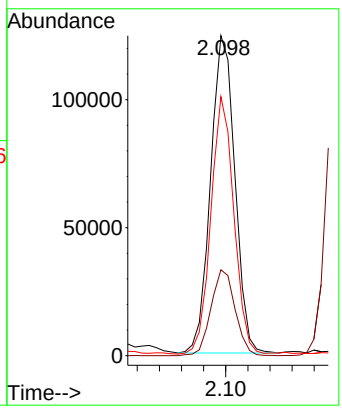


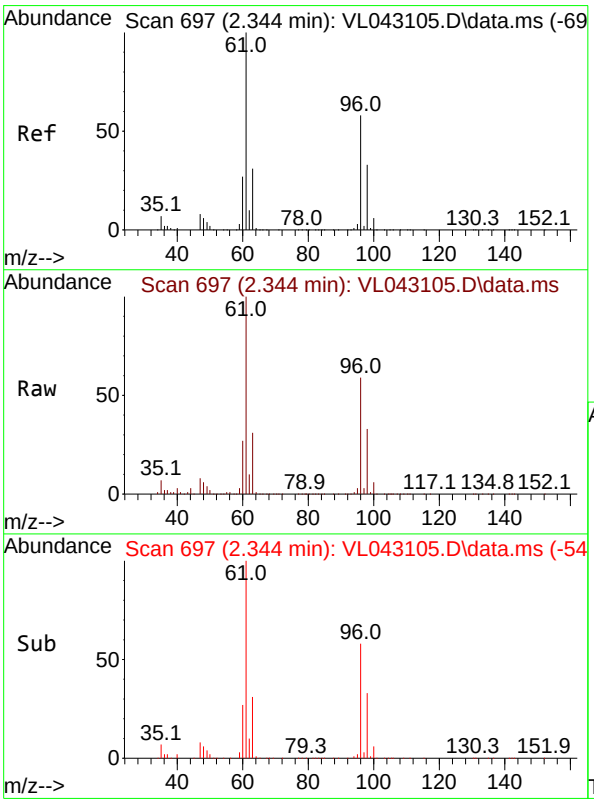
#21
Allyl Chloride
Concen: 9.145 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 94625

Ion	Ratio	Lower	Upper
41	100		
76	26.9	21.5	32.3
39	76.4	60.8	91.2

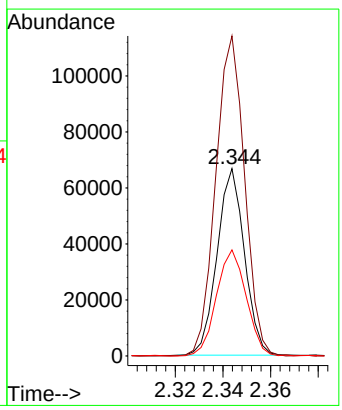


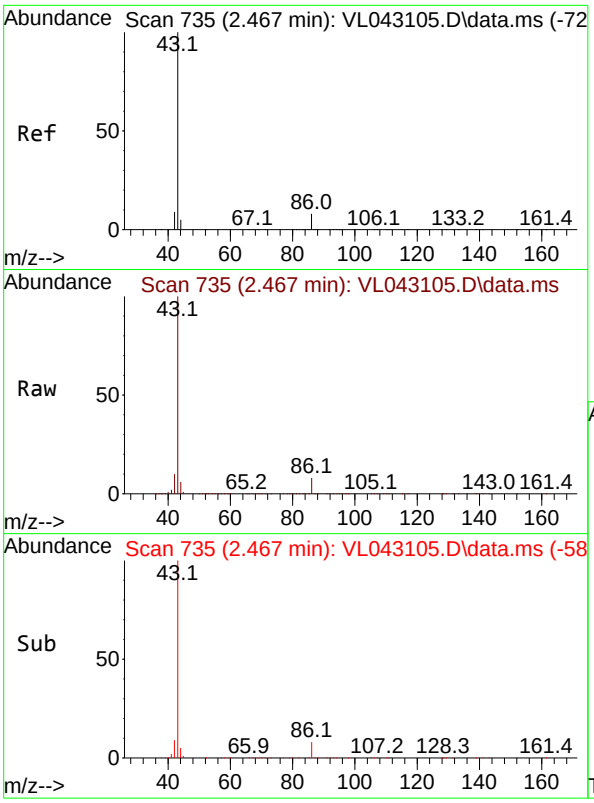


#22
trans-1,2-Dichloroethene
Concen: 8.761 ppbv
RT: 2.344 min Scan# 697
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 96 Resp: 53146

Ion	Ratio	Lower	Upper
96	100		
61	171.3	137.0	205.6
98	56.9	45.5	68.3



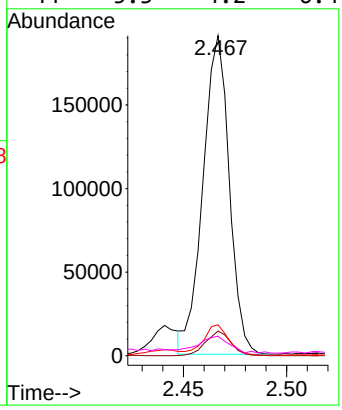


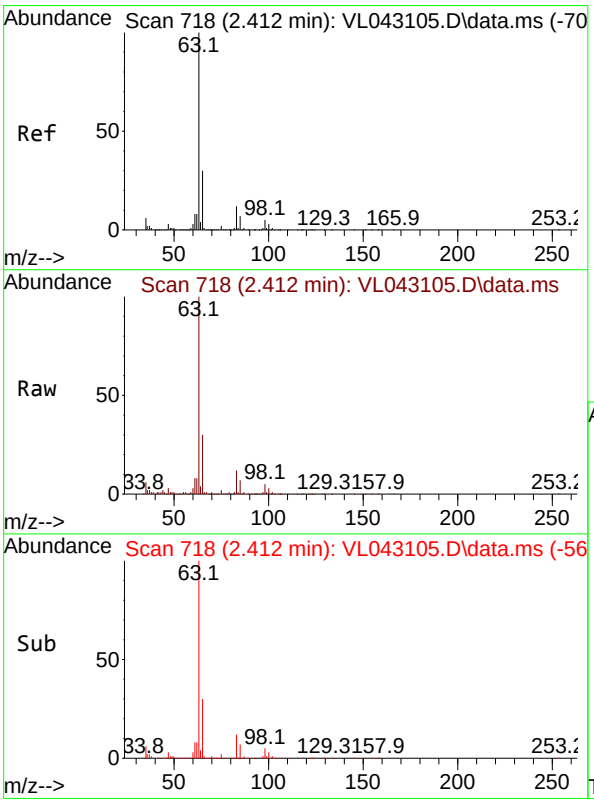
#23
Vinyl Acetate
Concen: 8.218 ppbv
RT: 2.467 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 168706

Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.2	9.2
42	9.5	7.6	11.4
44	5.3	4.2	6.4

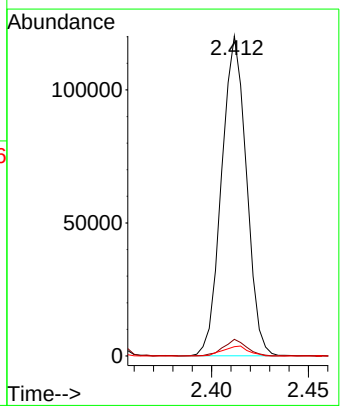


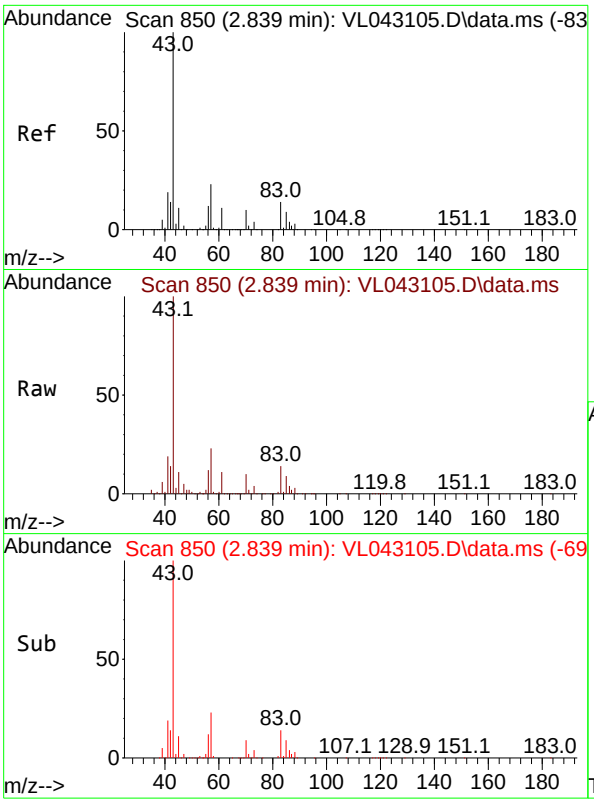


#24
1,1-Dichloroethane
Concen: 9.143 ppbv
RT: 2.412 min Scan# 718
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 63 Resp: 107153

Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.6	7.8
100	2.9	1.5	4.4



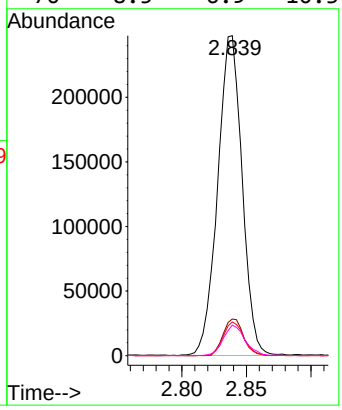


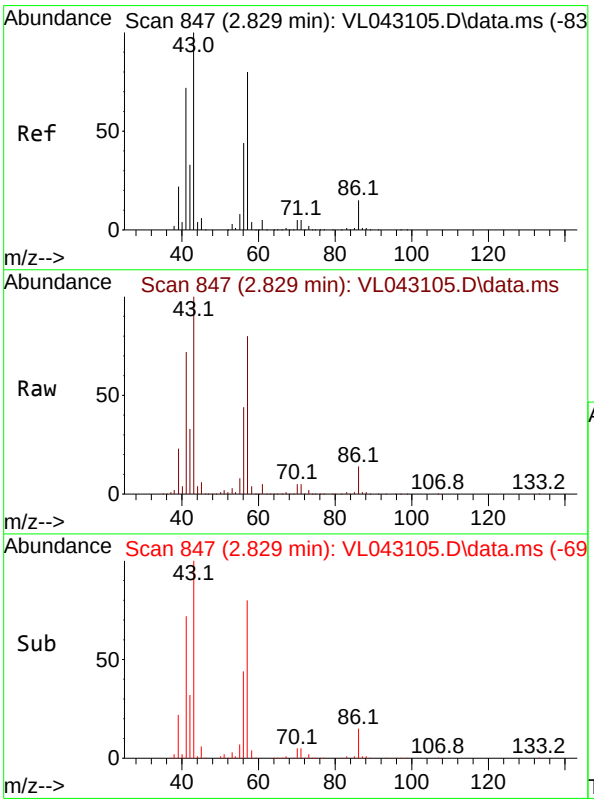
#25
Ethyl Acetate
Concen: 9.371 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 325662

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	8.8	7.0	10.6
70	8.5	6.9	10.3

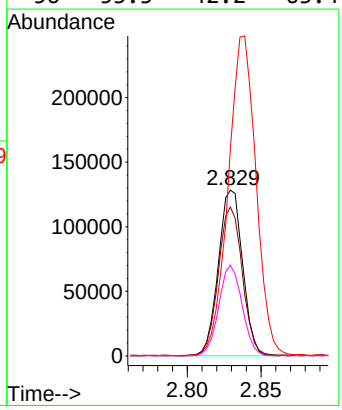


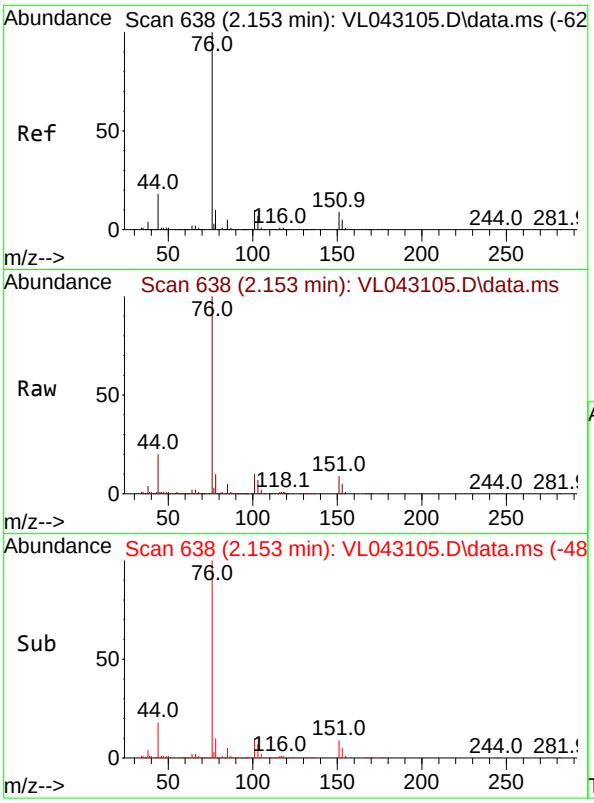


#26
Hexane
Concen: 9.128 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 57 Resp: 146168

Ion	Ratio	Lower	Upper
57	100		
41	90.2	71.4	107.0
43	222.4	178.5	267.7
56	53.3	42.2	63.4



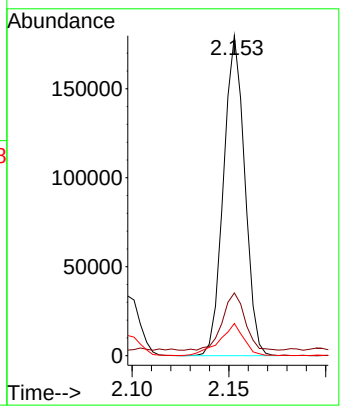


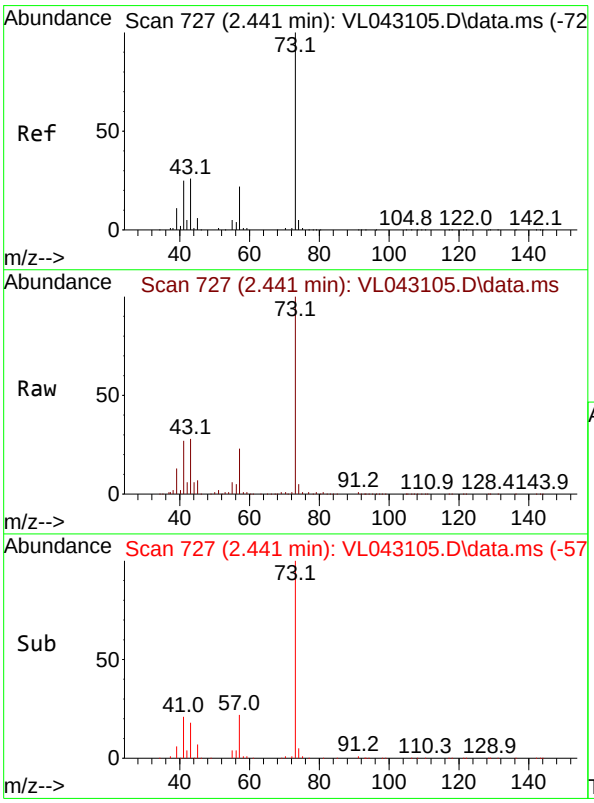
#27
Carbon Disulfide
Concen: 9.319 ppbv
RT: 2.153 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 76 Resp: 136729

Ion	Ratio	Lower	Upper
76	100		
44	20.1	16.7	25.1
78	11.5	9.3	13.9

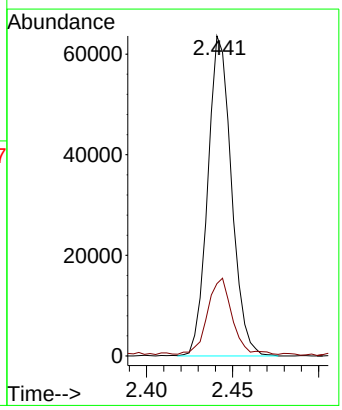


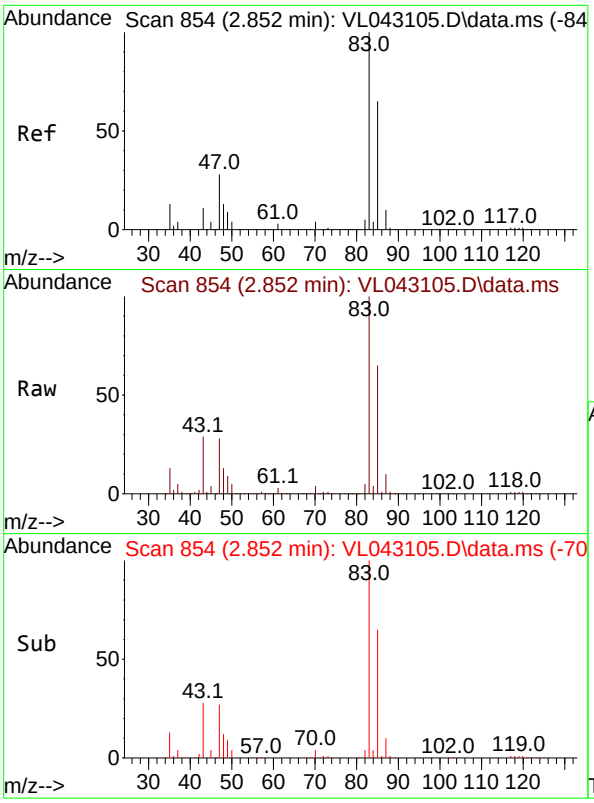


#28
Methyl tert-Butyl Ether
Concen: 8.384 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 73 Resp: 61076

Ion	Ratio	Lower	Upper
73	100		
57	24.8	20.5	30.7



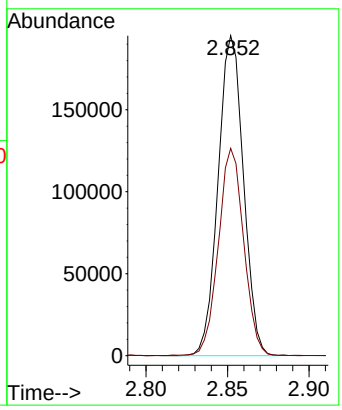


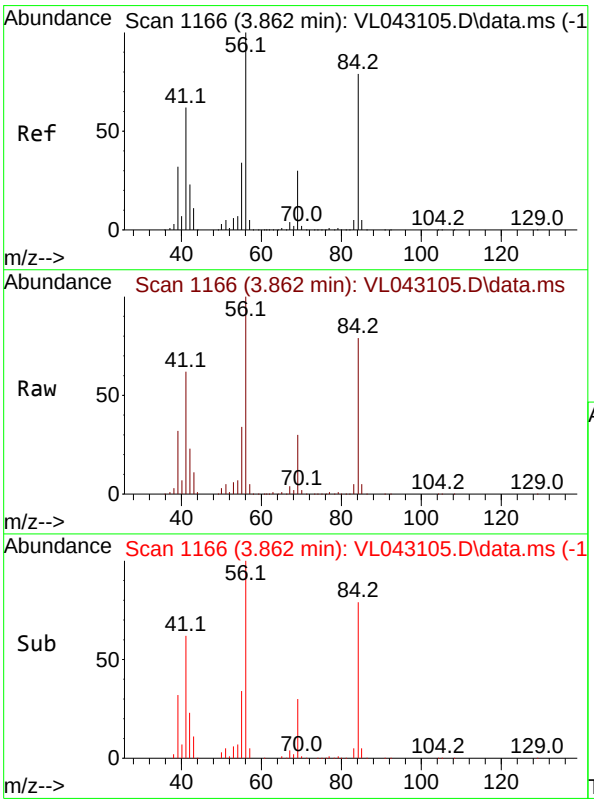
#29
Chloroform
Concen: 9.097 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 211071

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6

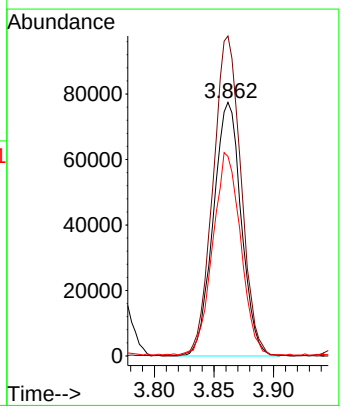


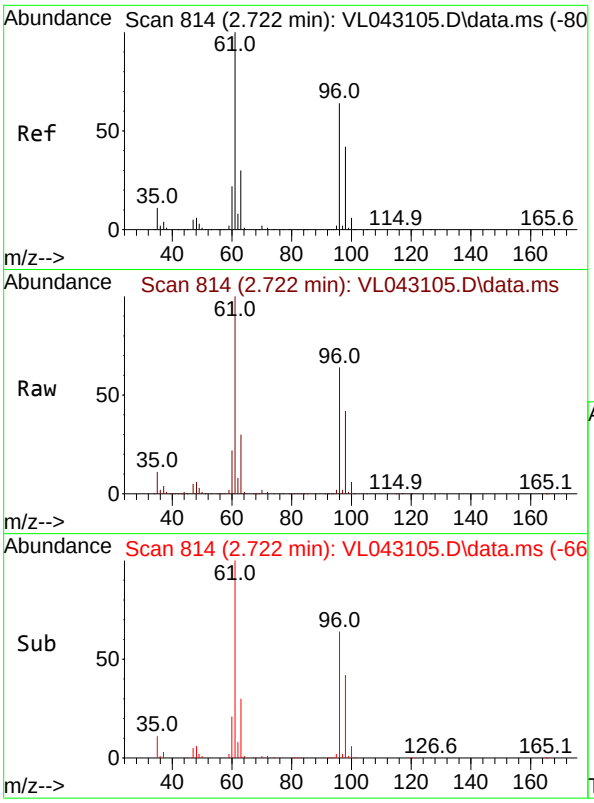


#30
Cyclohexane
Concen: 9.037 ppbv
RT: 3.862 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 84 Resp: 126226

Ion	Ratio	Lower	Upper
84	100		
56	126.5	100.9	151.3
41	79.8	63.8	95.6



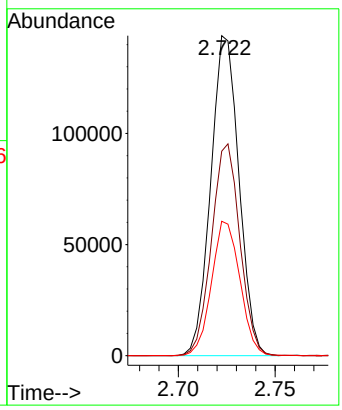


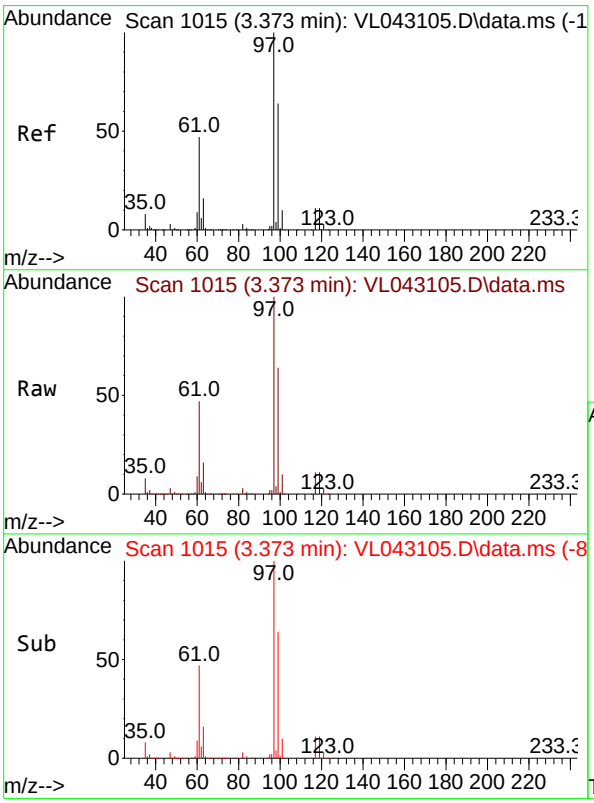
#31
cis-1,2-Dichloroethene
Concen: 9.553 ppbv
RT: 2.722 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 61 Resp: 146072

Ion	Ratio	Lower	Upper
61	100		
96	63.8	51.0	76.6
98	41.9	33.5	50.3

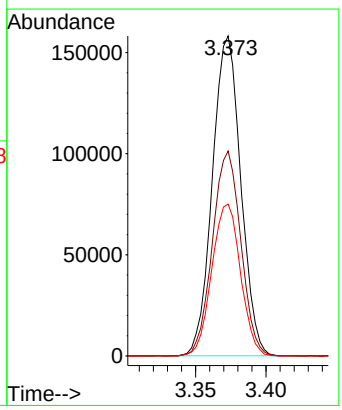


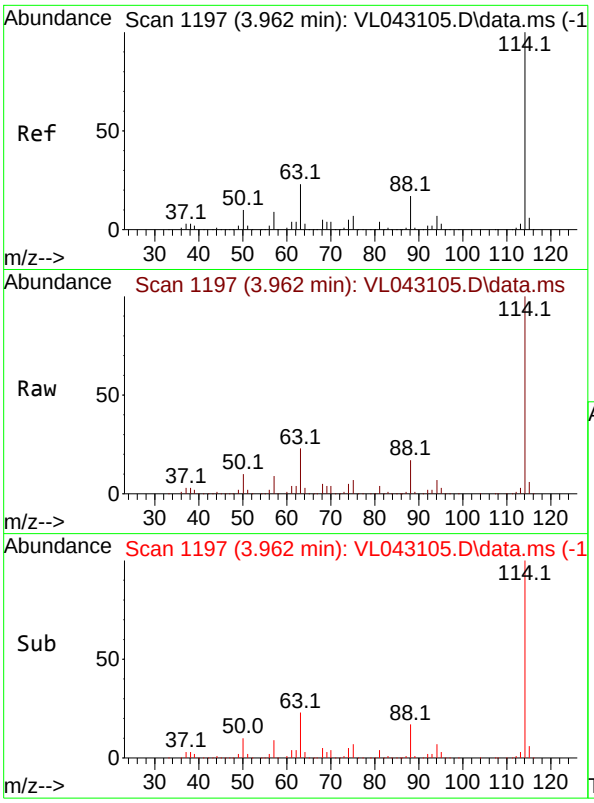


#32
1,1,1-Trichloroethane
Concen: 9.189 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 97 Resp: 222043

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	48.0	38.4	57.6



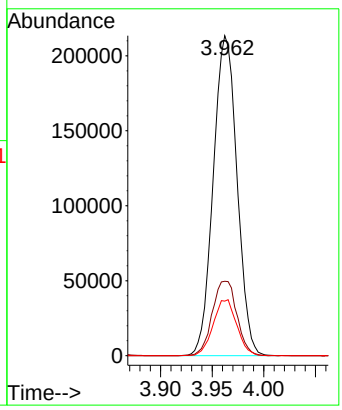


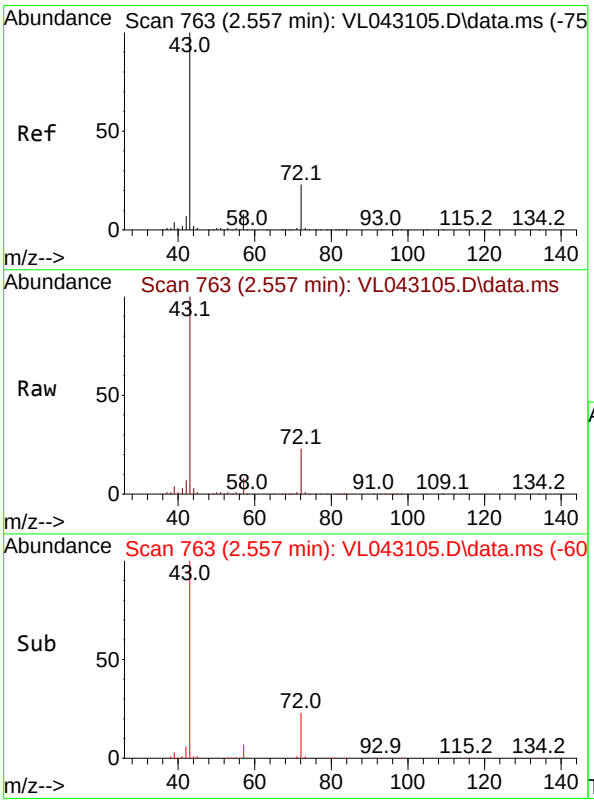
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:114 Resp: 341790

Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.3	28.9
88	17.4	13.9	20.9

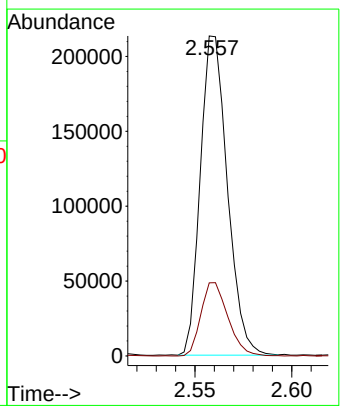


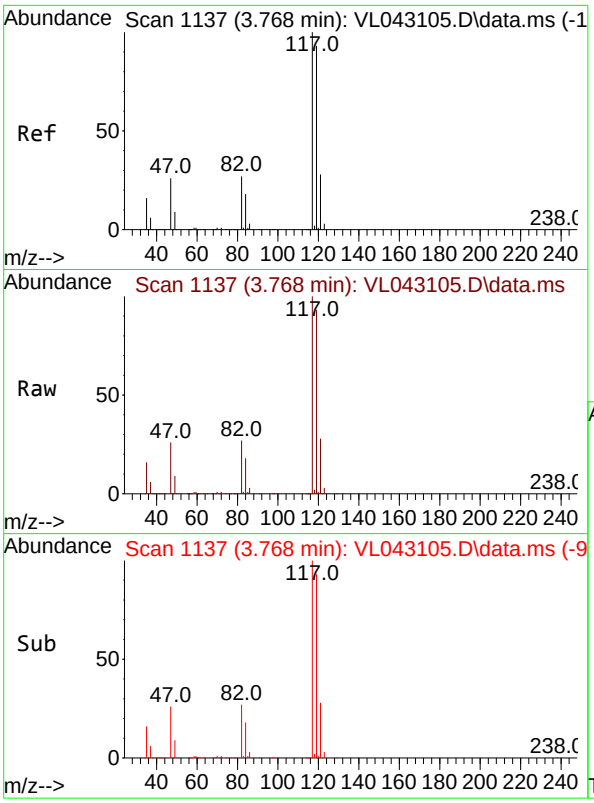


#34
2-Butanone
Concen: 8.971 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 43 Resp: 207274

Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.4	27.6



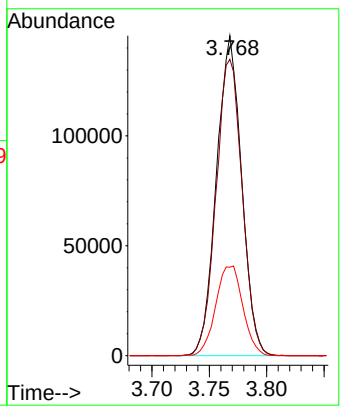


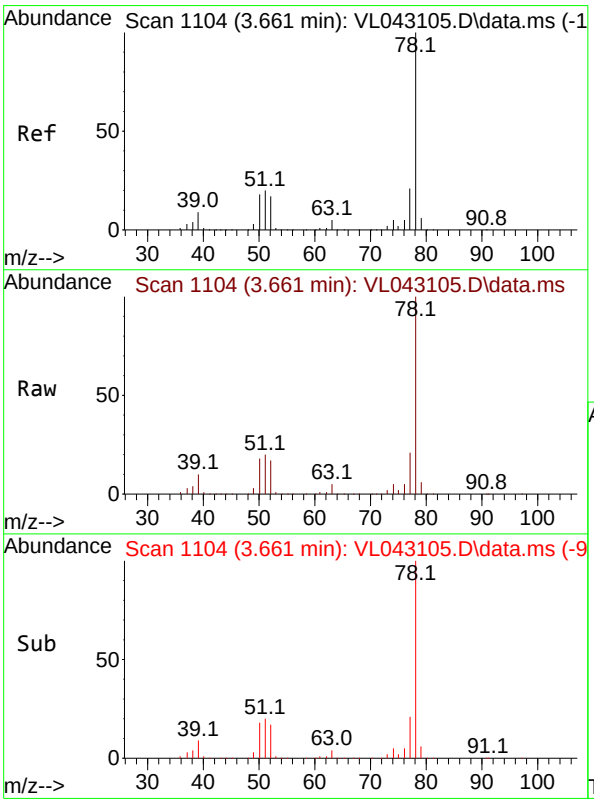
#35
Carbon Tetrachloride
Concen: 9.032 ppbv
RT: 3.768 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 221937

Ion	Ratio	Lower	Upper
117	100		
119	92.6	74.1	111.1
121	27.7	22.2	33.2

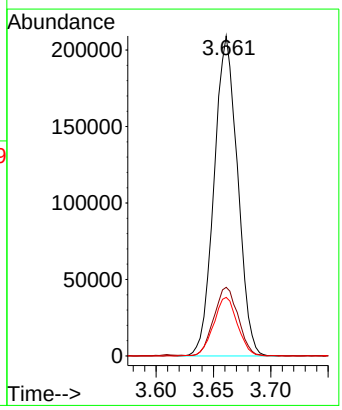


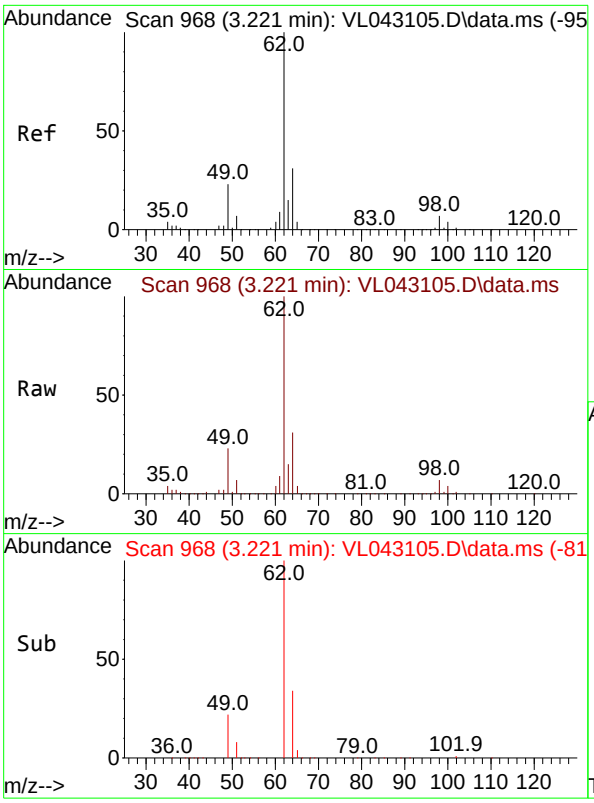


#36
Benzene
Concen: 9.246 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 78 Resp: 297653

Ion	Ratio	Lower	Upper
78	100		
77	21.3	17.0	25.6
50	18.3	14.6	22.0



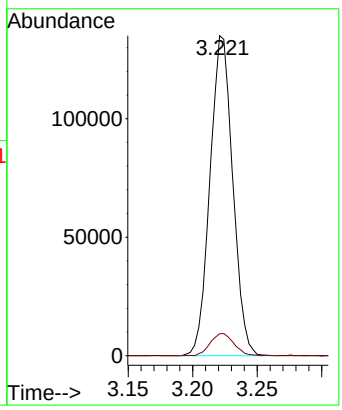


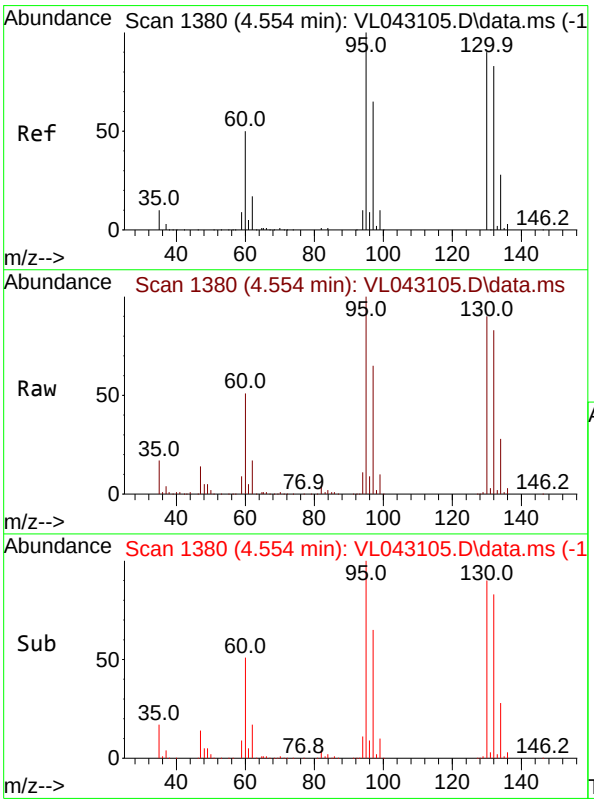
#37
1,2-Dichloroethane
Concen: 8.946 ppbv
RT: 3.221 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 165898

Ion	Ratio	Lower	Upper
62	100		
98	7.2	5.8	8.6

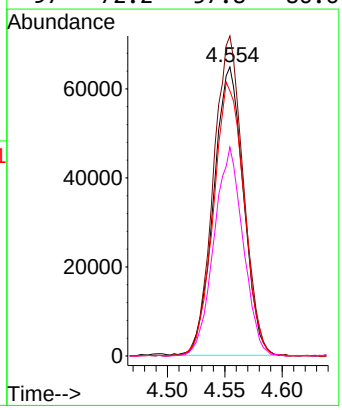


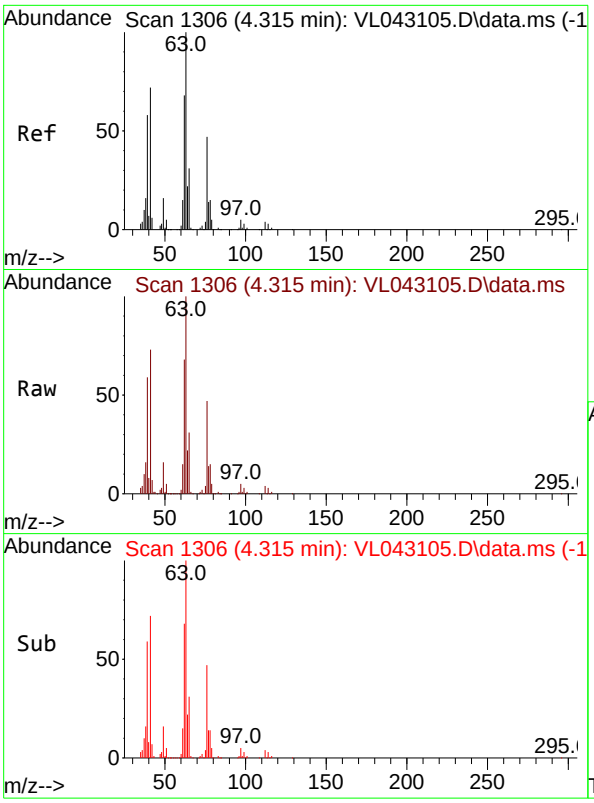


#38
Trichloroethene
Concen: 8.708 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:130 Resp: 116947

Ion	Ratio	Lower	Upper
130	100		
95	110.8	88.6	133.0
132	91.7	73.4	110.0
97	72.2	57.8	86.6



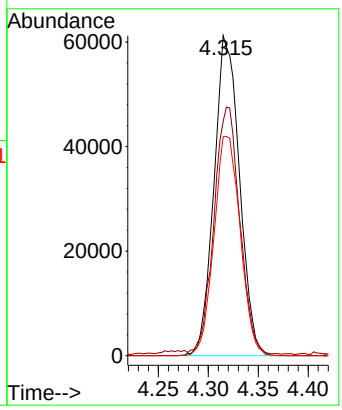


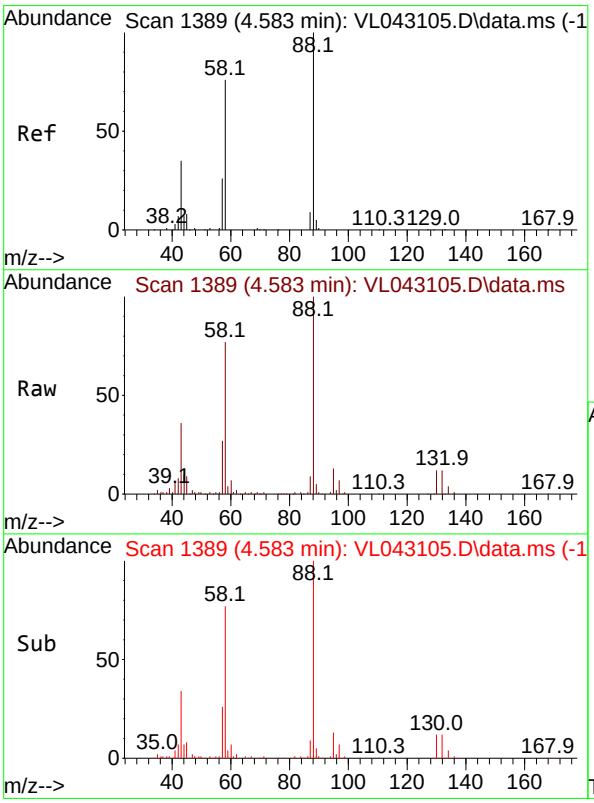
#39
1,2-Dichloropropane
Concen: 9.207 ppbv
RT: 4.315 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 63 Resp: 108446

Ion	Ratio	Lower	Upper
63	100		
41	72.5	58.0	87.0
62	68.4	54.7	82.1

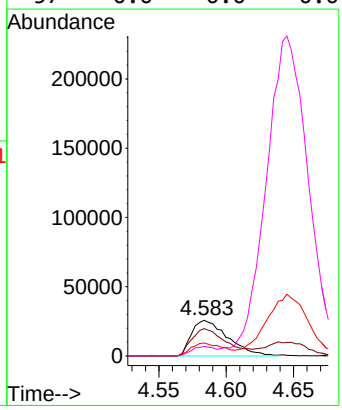


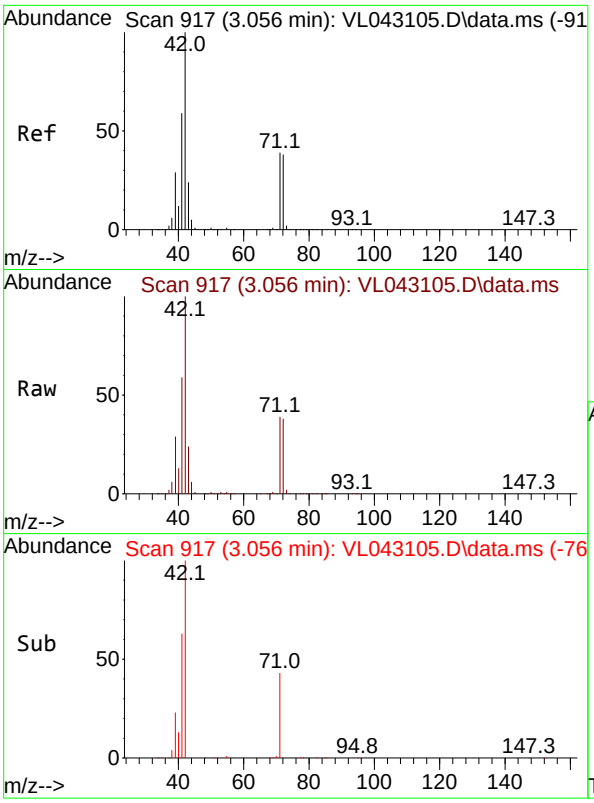


#40
1,4-Dioxane
Concen: 9.153 ppbv
RT: 4.583 min Scan# 1389
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 88 Resp: 48201

Ion	Ratio	Lower	Upper
88	100		
58	74.3	61.1	91.7
43	33.3	24.0	36.0
57	0.0	0.0	0.0



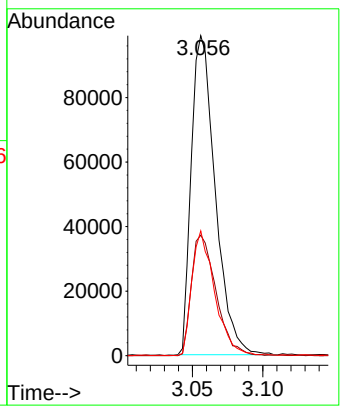


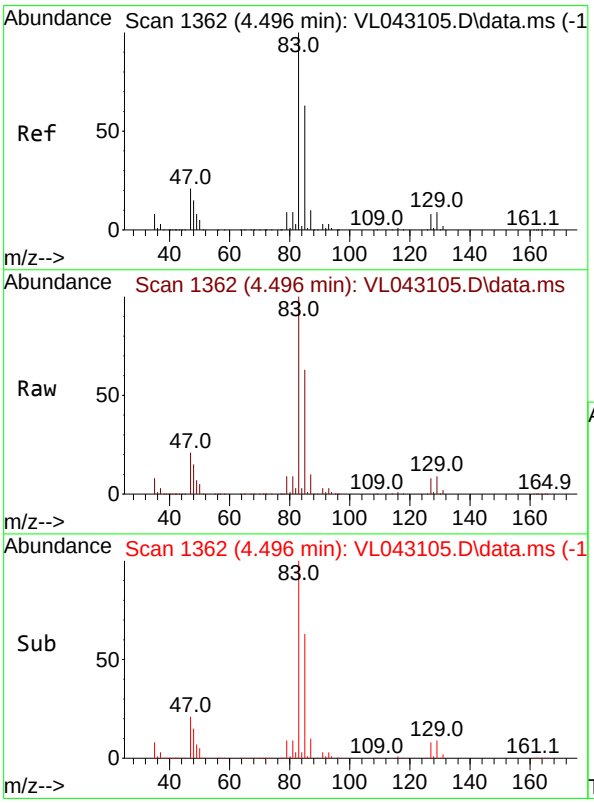
#41
Tetrahydrofuran
Concen: 9.076 ppbv
RT: 3.056 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 42 Resp: 117069

Ion	Ratio	Lower	Upper
42	100		
72	39.1	31.3	46.9
71	37.8	30.4	45.6

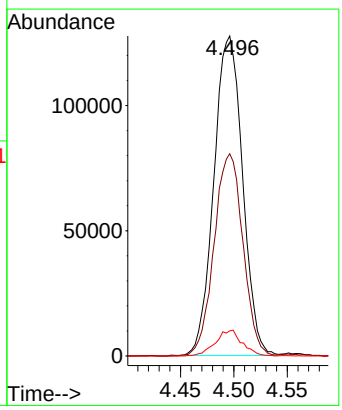


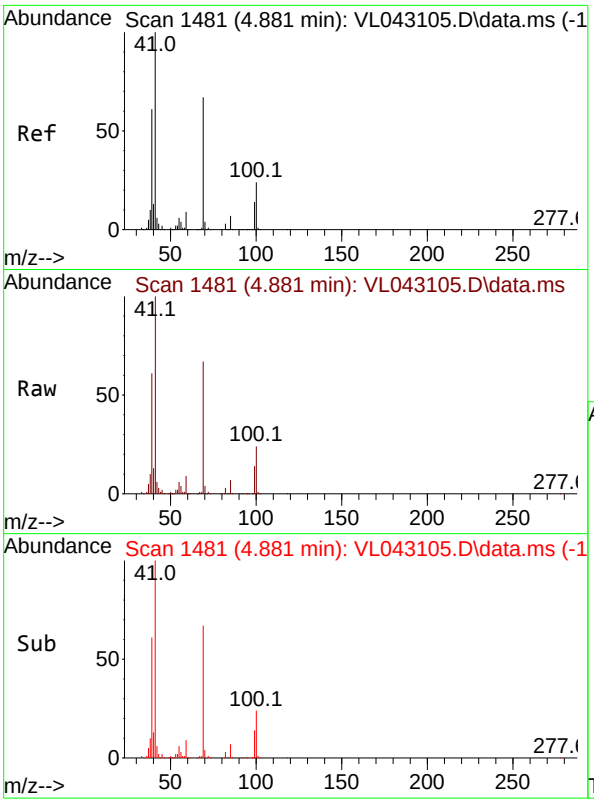


#42
Bromodichloromethane
Concen: 9.286 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 83 Resp: 238353

Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	75.8
127	7.9	6.3	9.5



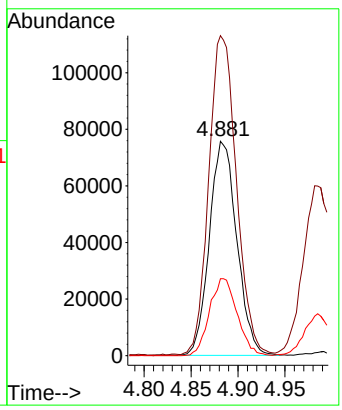


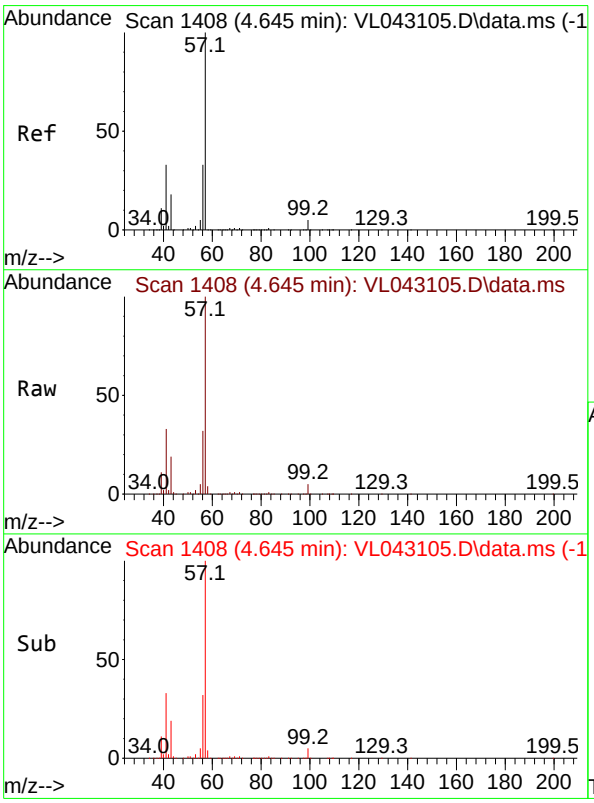
#43
Methyl Methacrylate
Concen: 9.371 ppbv
RT: 4.881 min Scan# 14
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 69 Resp: 153927

Ion	Ratio	Lower	Upper
69	100		
41	149.8	120.5	180.7
100	36.2	29.0	43.4

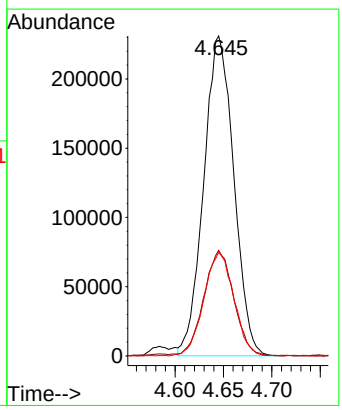


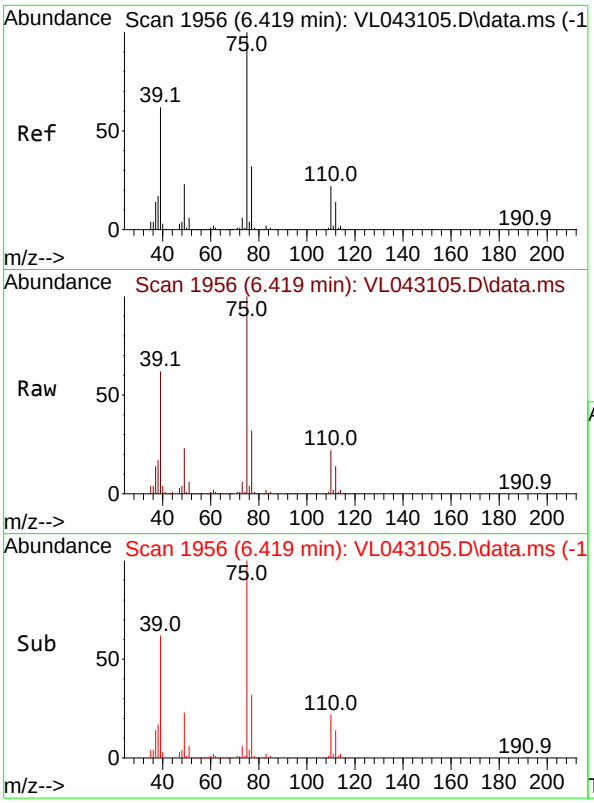


#44
2,2,4-Trimethylpentane
Concen: 9.273 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 57 Resp: 499148

Ion	Ratio	Lower	Upper
57	100		
41	33.2	26.3	39.5
56	32.1	25.9	38.9



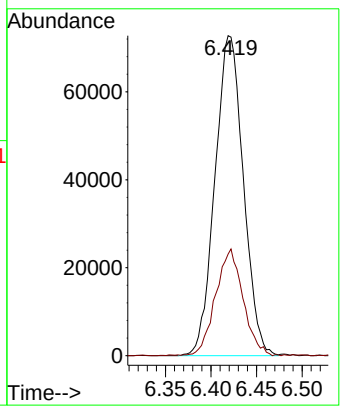


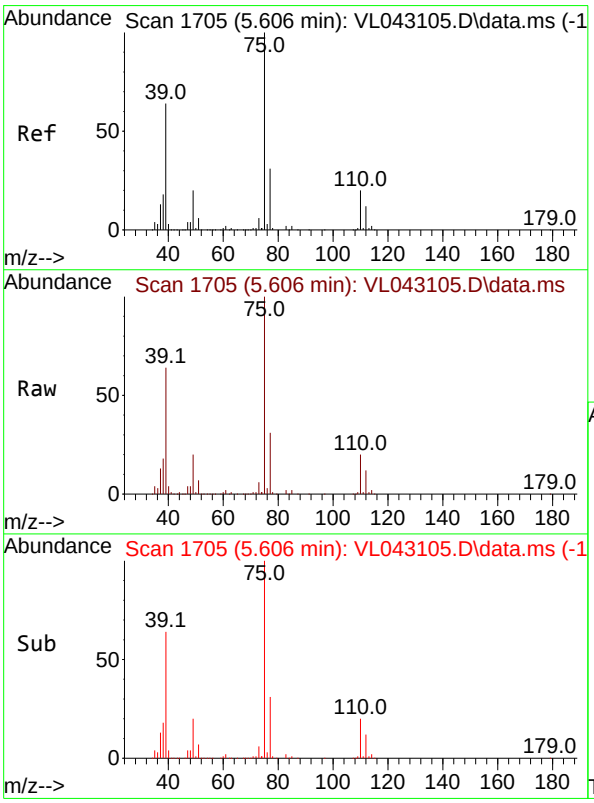
#45
t-1,3-Dichloropropene
Concen: 9.620 ppbv
RT: 6.419 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 157856

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2

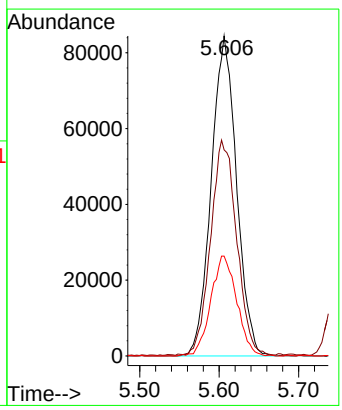


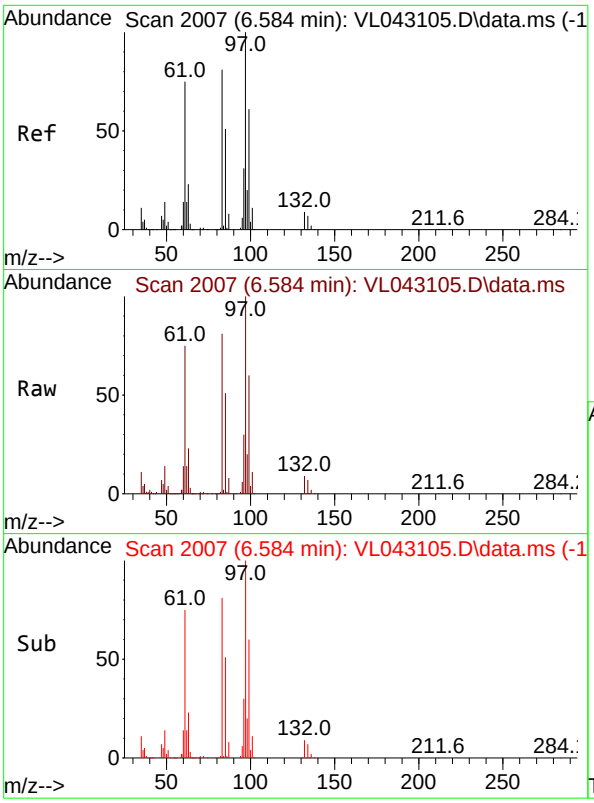


#46
cis-1,3-Dichloropropene
Concen: 9.525 ppbv
RT: 5.606 min Scan# 1705
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 75 Resp: 186533

Ion	Ratio	Lower	Upper
75	100		
39	63.8	51.0	76.6
77	31.2	25.0	37.4



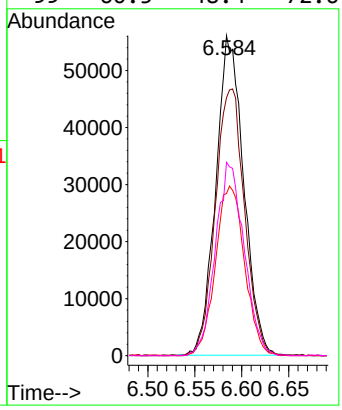


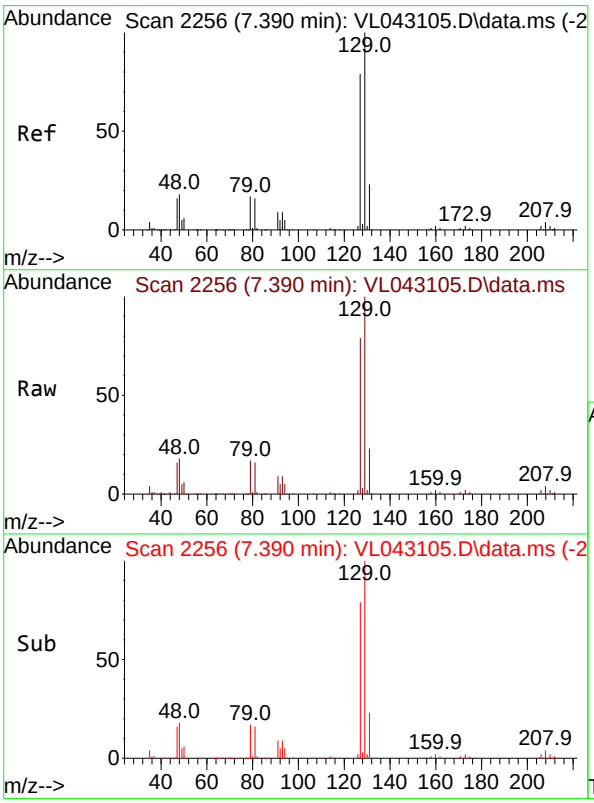
#47
1,1,2-Trichloroethane
Concen: 9.082 ppbv
RT: 6.584 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 97 Resp: 115419

Ion	Ratio	Lower	Upper
97	100		
83	80.7	64.6	96.8
85	50.7	40.6	60.8
99	60.5	48.4	72.6

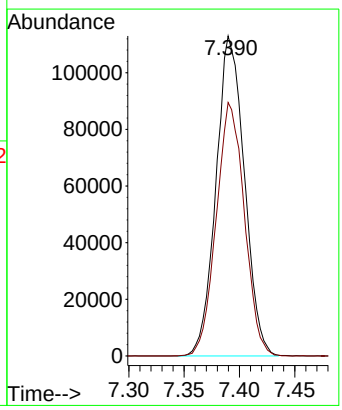


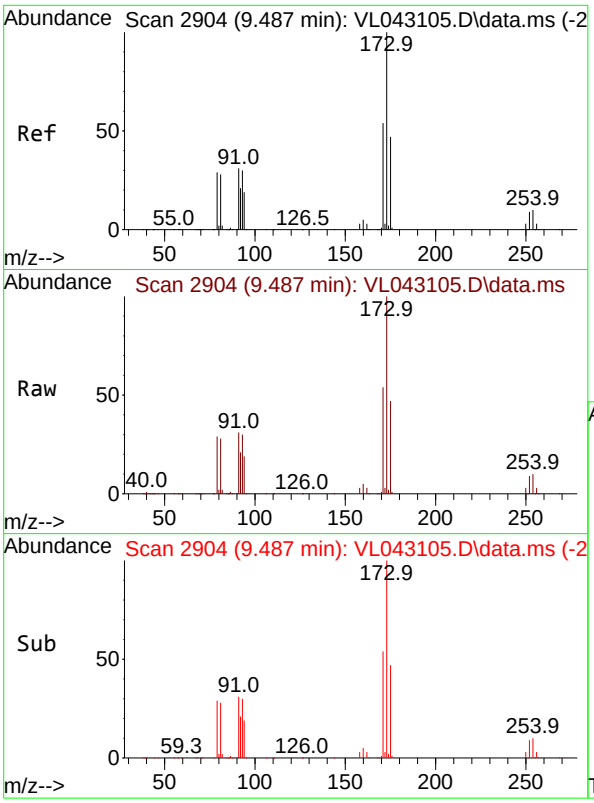


#48
Dibromochloromethane
Concen: 9.476 ppbv
RT: 7.390 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:129 Resp: 201349

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.3	117.9



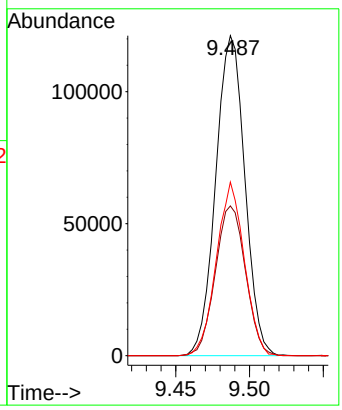


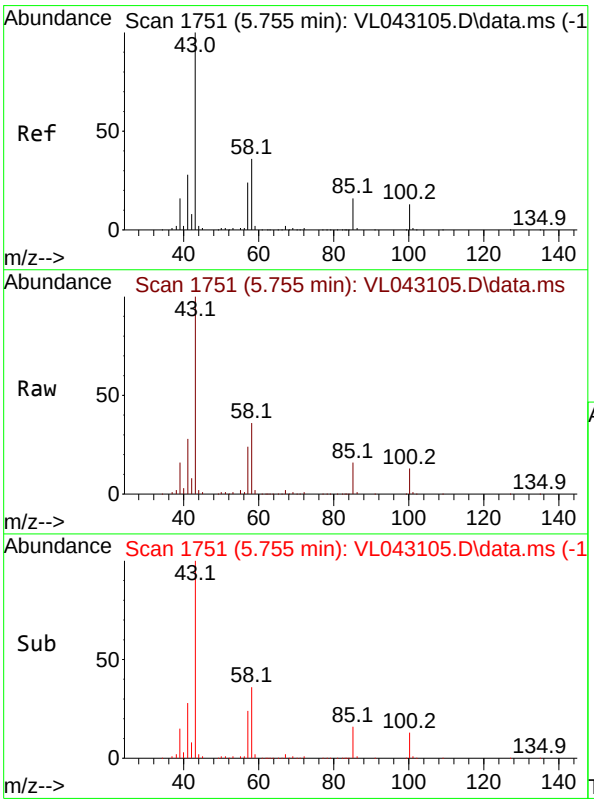
#49
Bromoform
Concen: 9.633 ppbv
RT: 9.487 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:173 Resp: 166377

Ion	Ratio	Lower	Upper
173	100		
175	48.5	38.8	58.2
171	52.1	41.7	62.5

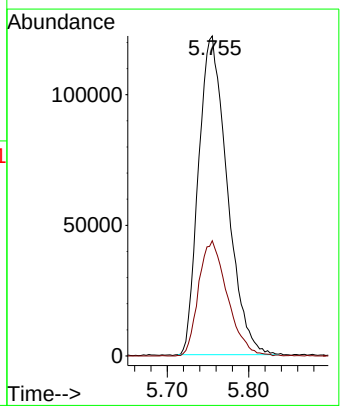


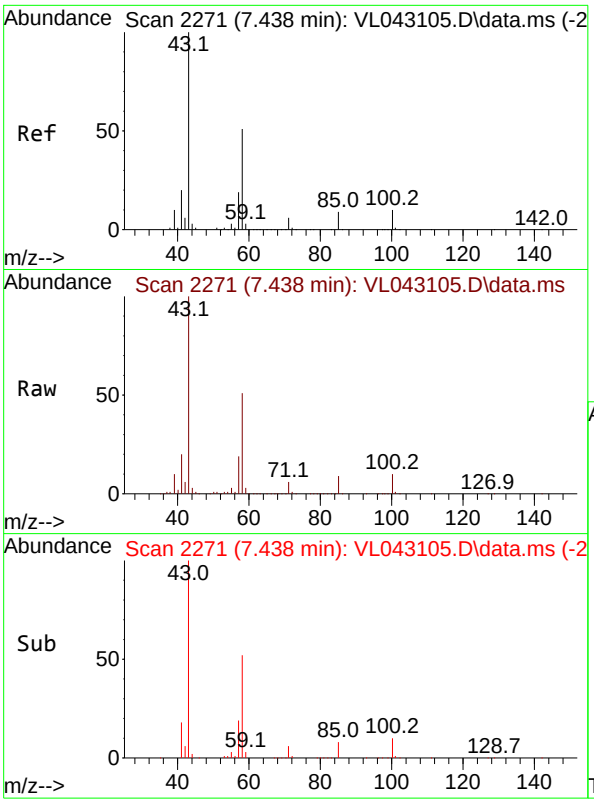


#50
4-Methyl-2-Pentanone
Concen: 9.362 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 43 Resp: 298401

Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.1	43.7



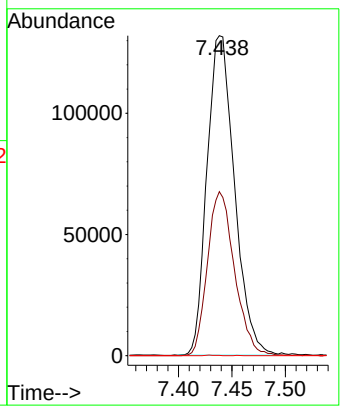


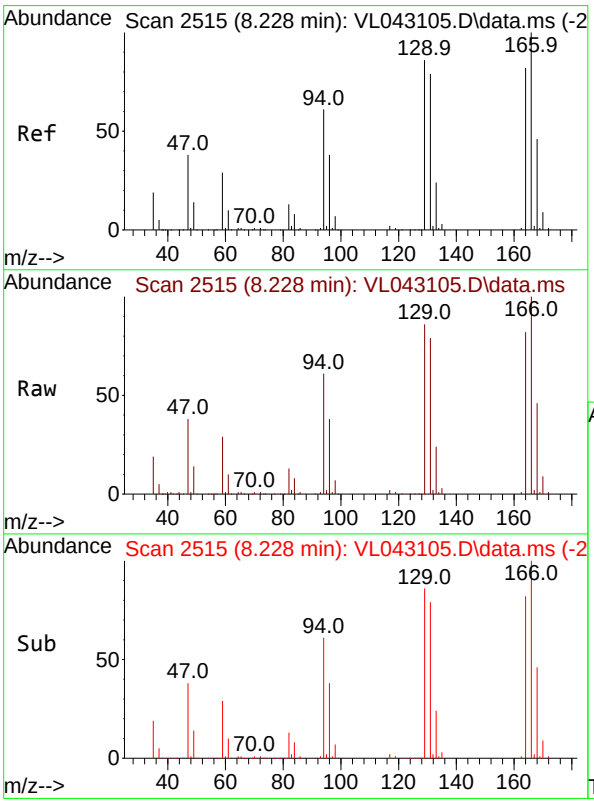
#51
2-Hexanone
Concen: 9.940 ppbv
RT: 7.438 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 236391

Ion	Ratio	Lower	Upper
43	100		
58	50.6	40.4	60.6
98	0.1	0.1	0.1

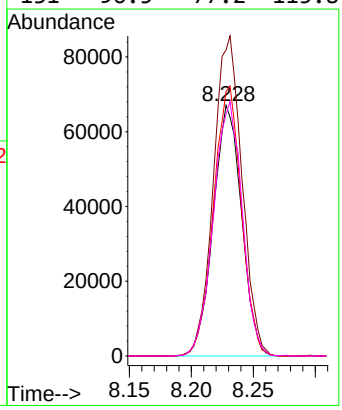


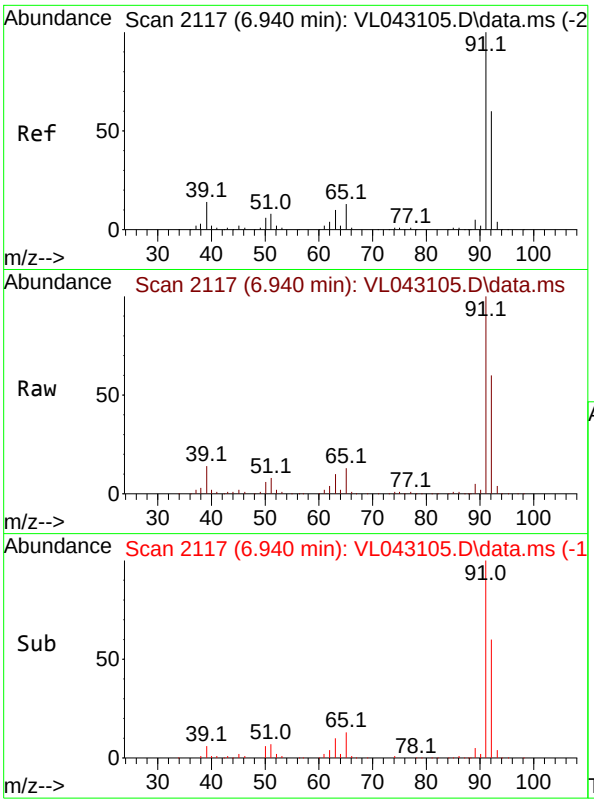


#52
Tetrachloroethene
Concen: 9.192 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:164 Resp: 106710

Ion	Ratio	Lower	Upper
164	100		
166	122.0	97.6	146.4
129	105.6	84.5	126.7
131	96.5	77.2	115.8



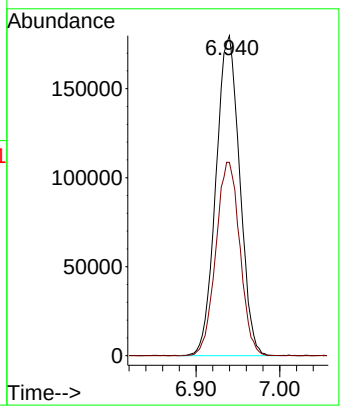


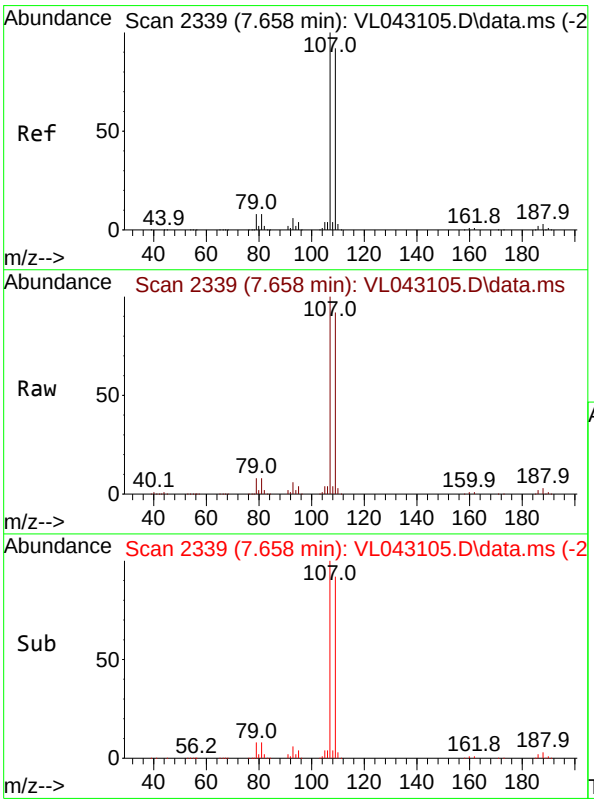
#53
Toluene
Concen: 9.266 ppbv
RT: 6.940 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 354007

Ion	Ratio	Lower	Upper
91	100		
92	61.0	48.8	73.2

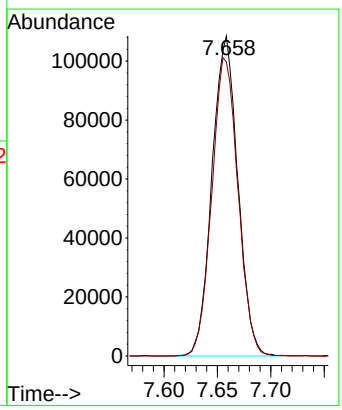


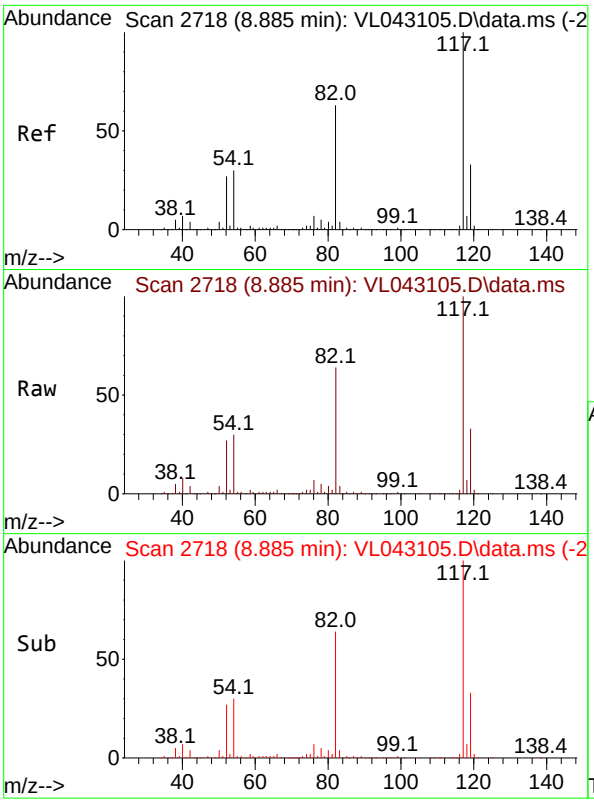


#54
1,2-Dibromoethane
Concen: 9.080 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:107 Resp: 182074

Ion	Ratio	Lower	Upper
107	100		
109	91.8	73.4	110.2



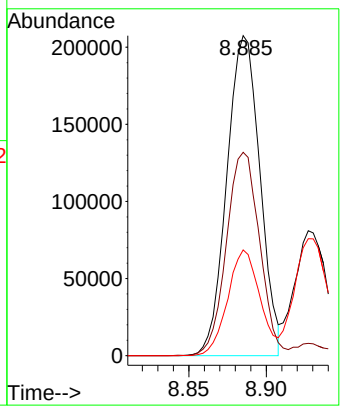


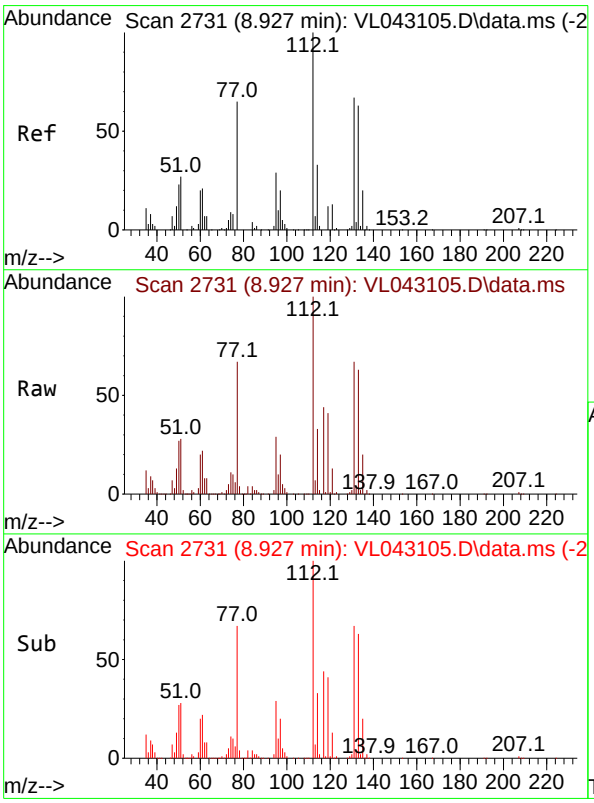
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 309230

Ion	Ratio	Lower	Upper
117	100		
82	67.3	53.8	80.8
119	33.4	25.4	38.0

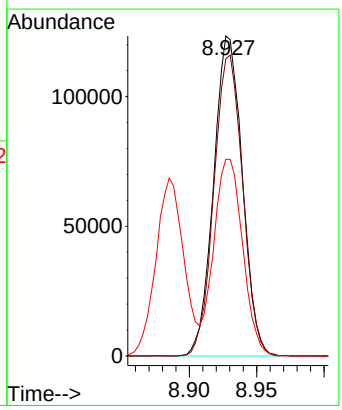


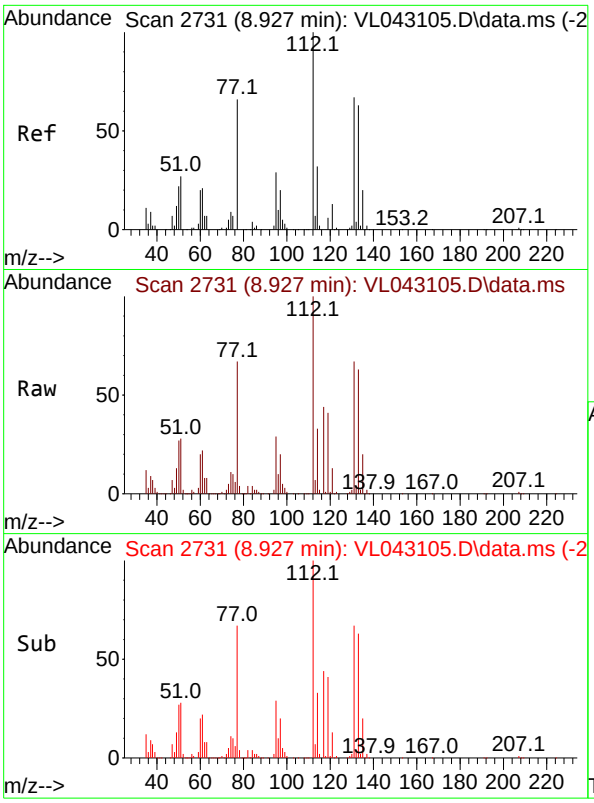


#56
1,1,1,2-Tetrachloroethane
Concen: 9.367 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:131 Resp: 182585

Ion	Ratio	Lower	Upper
131	100		
133	94.6	75.7	113.5
119	63.3	50.6	76.0



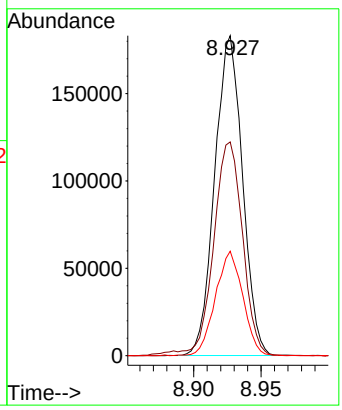


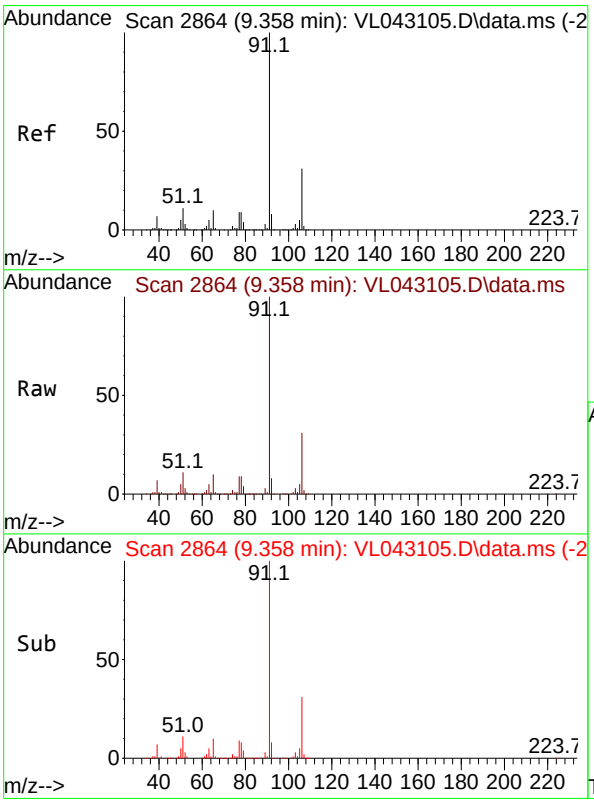
#57
Chlorobenzene
Concen: 9.076 ppbv
RT: 8.927 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:112 Resp: 262566

Ion	Ratio	Lower	Upper
112	100		
77	66.6	53.3	79.9
114	32.5	29.3	35.8

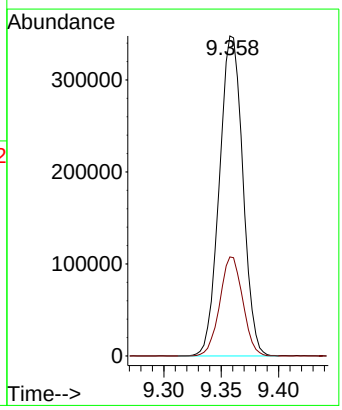


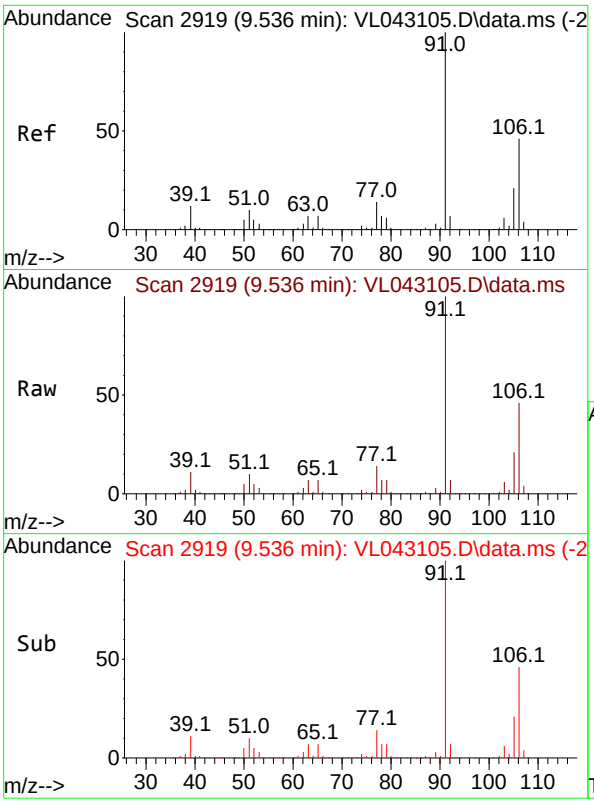


#58
Ethyl Benzene
Concen: 9.241 ppbv
RT: 9.358 min Scan# 2864
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 91 Resp: 494344

Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.8	37.2



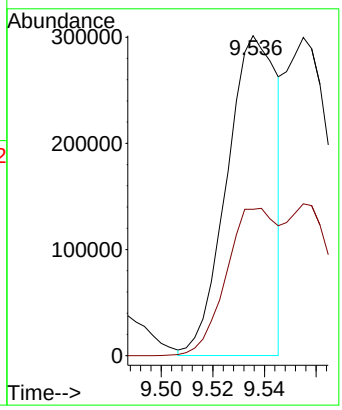


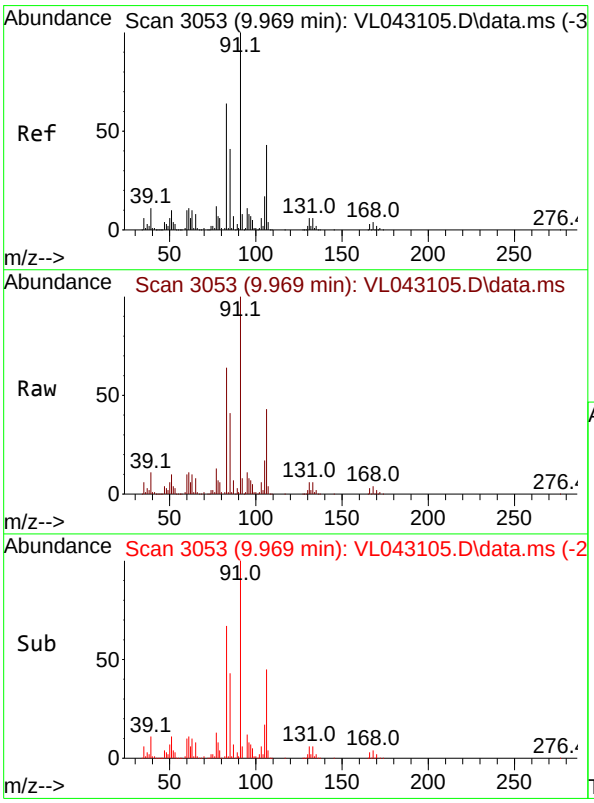
#59
m/p-Xylene
Concen: 9.529 ppbv
RT: 9.536 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 403670

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.0	57.0#

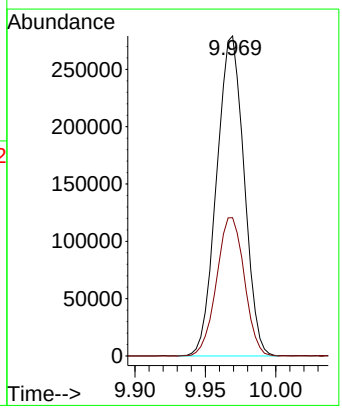


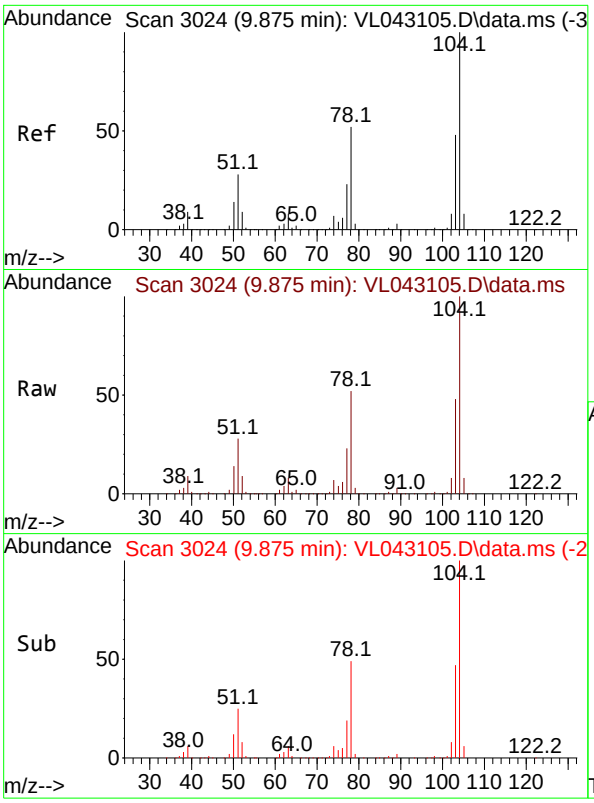


#60
o-Xylene
Concen: 9.053 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 91 Resp: 378462

Ion	Ratio	Lower	Upper
91	100		
106	43.9	21.9	65.8



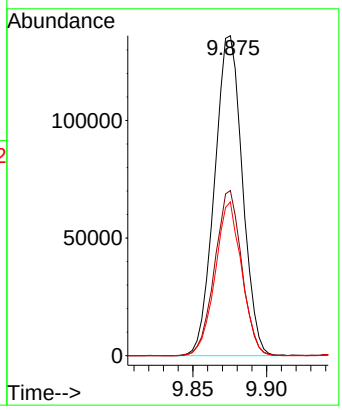


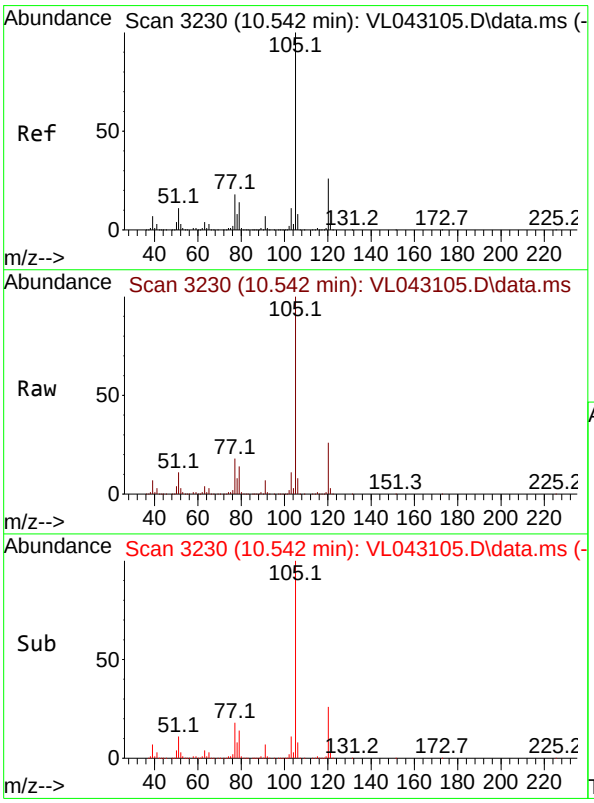
#61
Styrene
Concen: 9.477 ppbv
RT: 9.875 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 178859

Ion	Ratio	Lower	Upper
104	100		
78	50.2	40.2	60.2
103	46.1	36.9	55.3

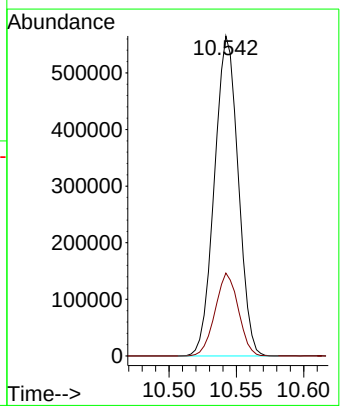


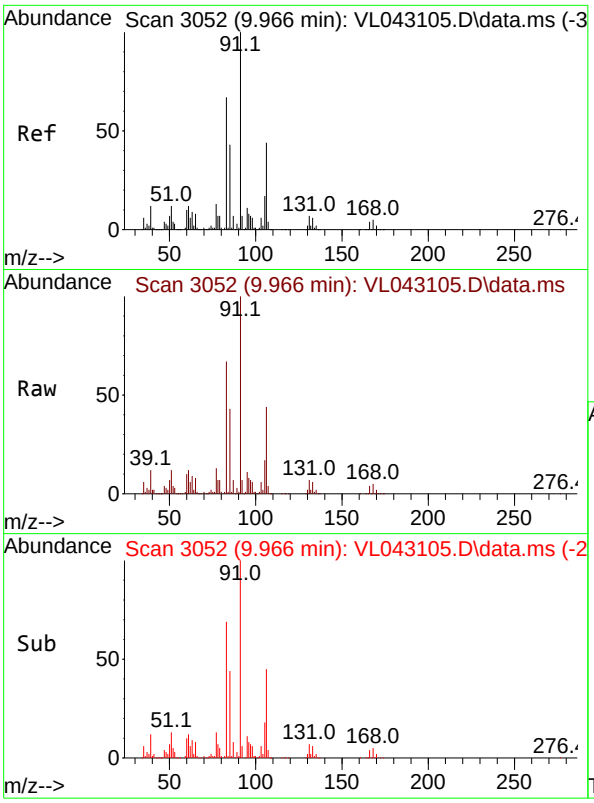


#62
Isopropylbenzene
Concen: 9.173 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:105 Resp: 692992

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.2	30.4



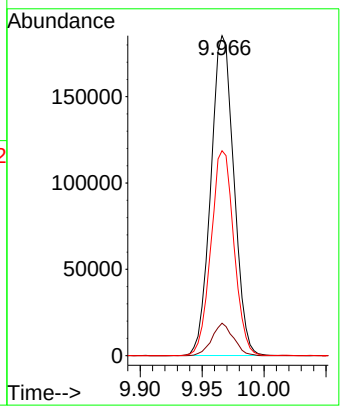


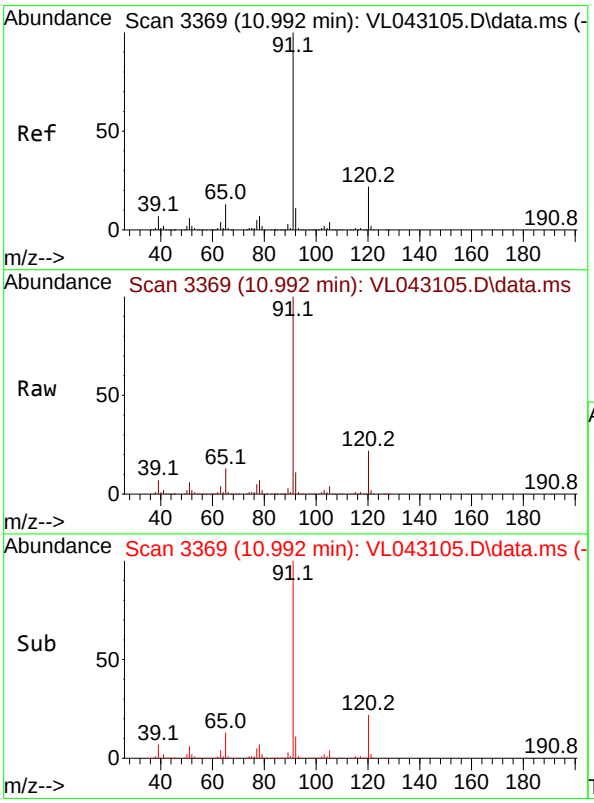
#63
1,1,2,2-Tetrachloroethane
Concen: 8.582 ppbv
RT: 9.966 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 240245

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	64.0	32.0	96.0

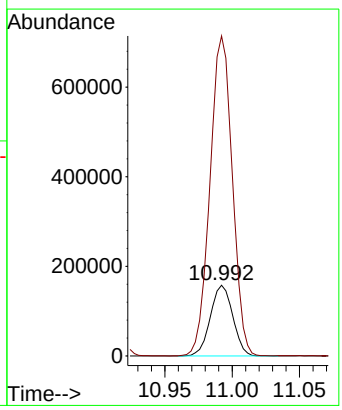


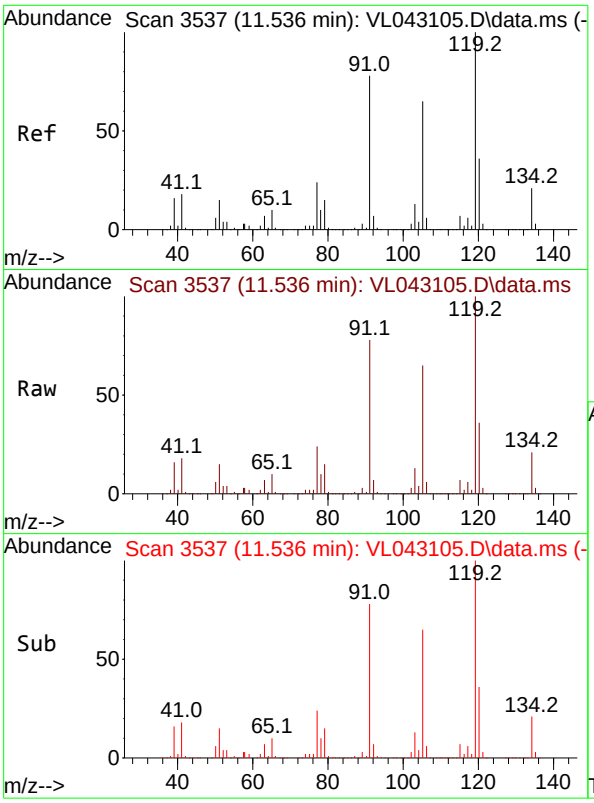


#64
n-propylbenzene
Concen: 9.112 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:120 Resp: 182233

Ion	Ratio	Lower	Upper
120	100		
91	452.0	361.6	542.4



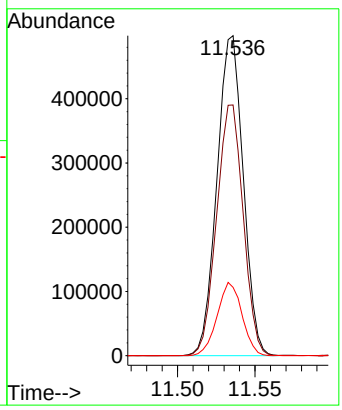


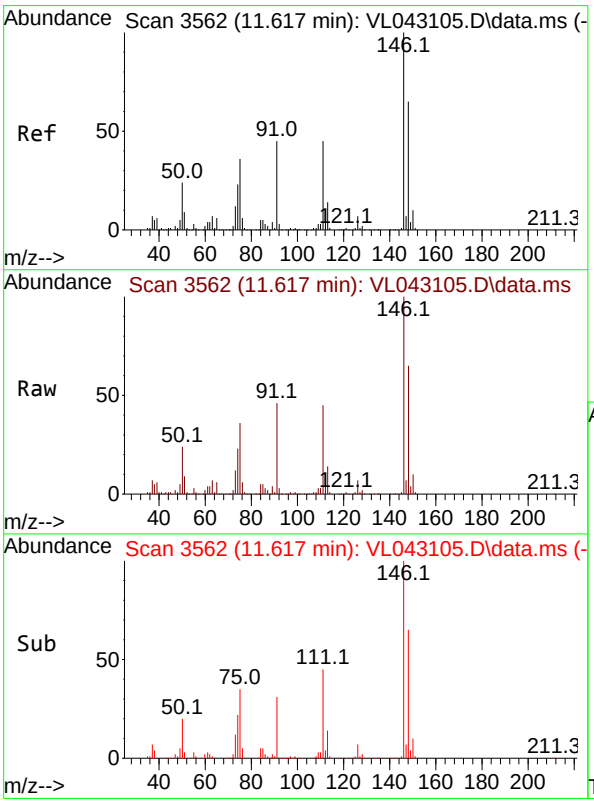
#65
tert-Butylbenzene
Concen: 8.810 ppbv
RT: 11.536 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 587750

Ion	Ratio	Lower	Upper
119	100		
91	79.1	63.4	95.0
134	21.6	17.3	25.9

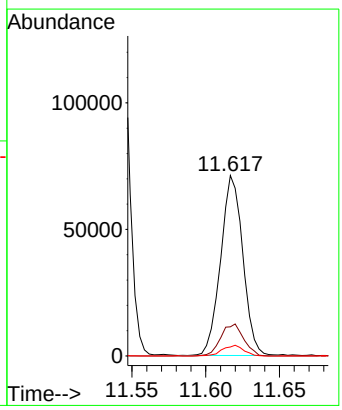


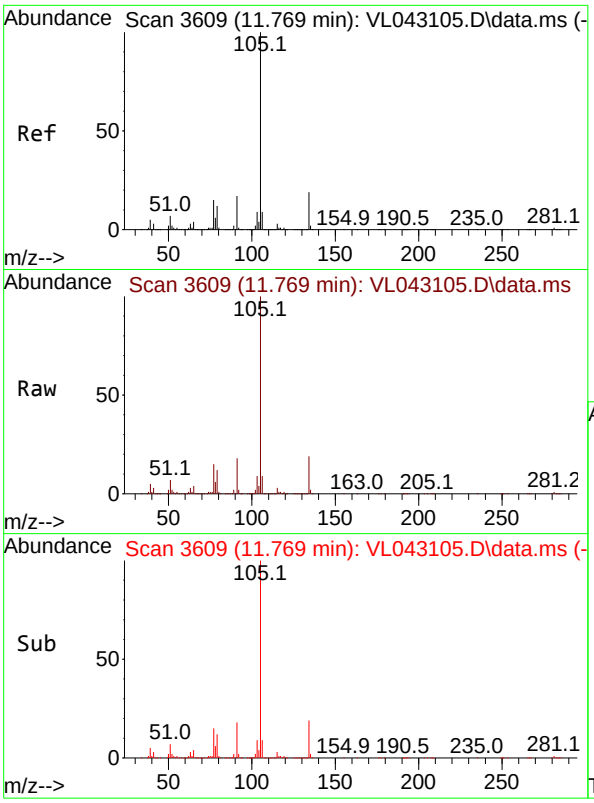


#66
Benzyl Chloride
Concen: 10.009 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 91 Resp: 74574

Ion	Ratio	Lower	Upper
91	100		
126	18.3	14.6	22.0
128	5.7	4.6	6.8



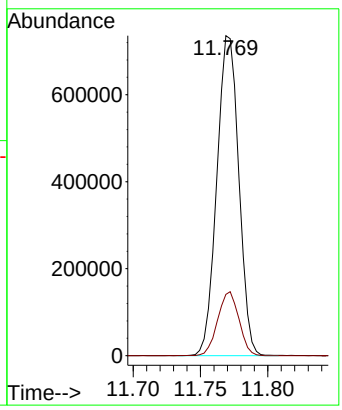


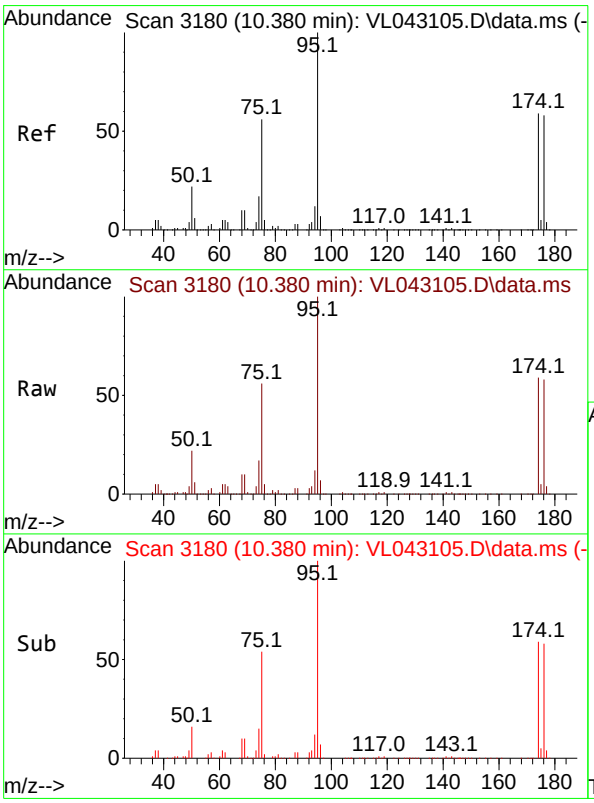
#67
sec-Butylbenzene
Concen: 8.809 ppbv
RT: 11.769 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 834052

Ion	Ratio	Lower	Upper
105	100		
134	19.4	15.5	23.3

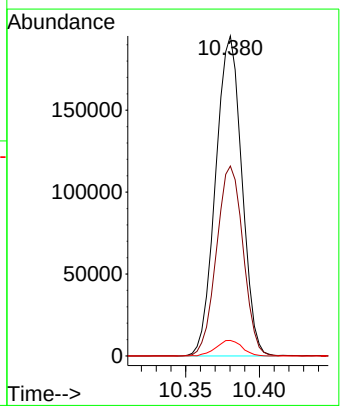


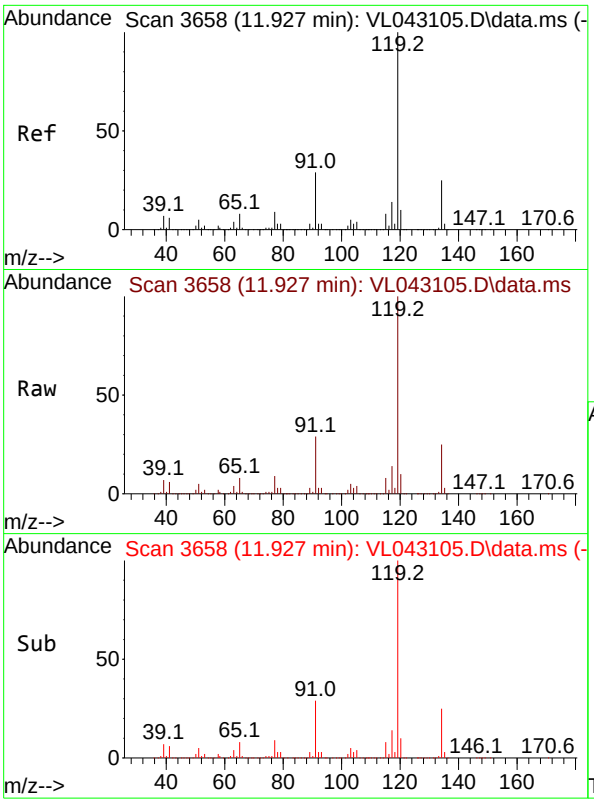


#68
1-Bromo-4-Fluorobenzene
Concen: 10.046 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 95 Resp: 241468

Ion	Ratio	Lower	Upper
95	100		
174	60.4	48.3	72.5
175	4.8	3.8	5.8



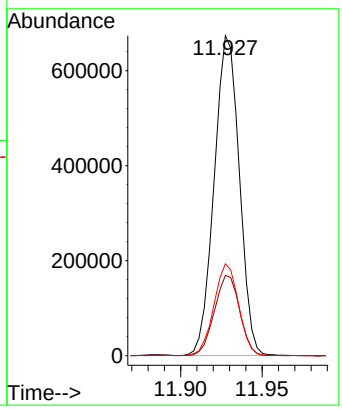


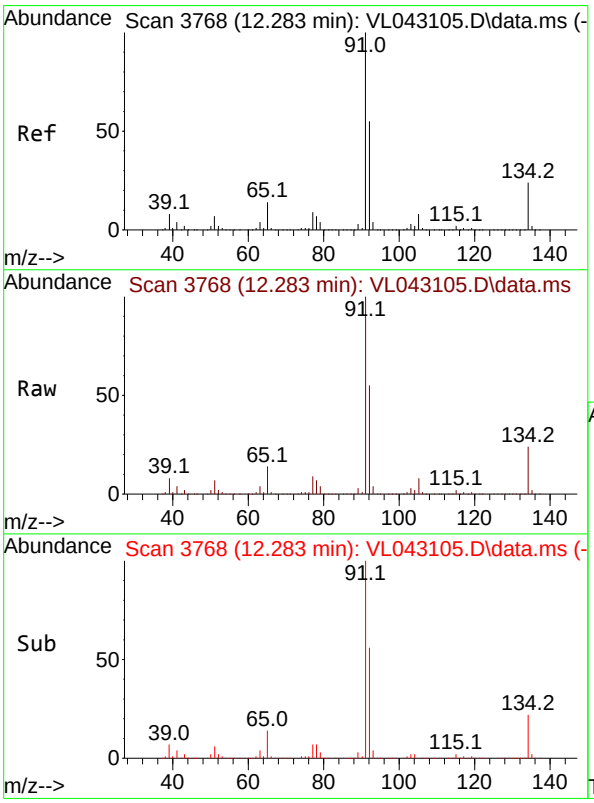
#69
p-Isopropyltoluene
Concen: 8.955 ppbv
RT: 11.927 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 720433

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.3	30.5
91	28.3	22.6	33.8

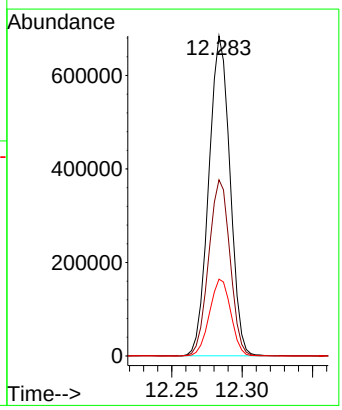


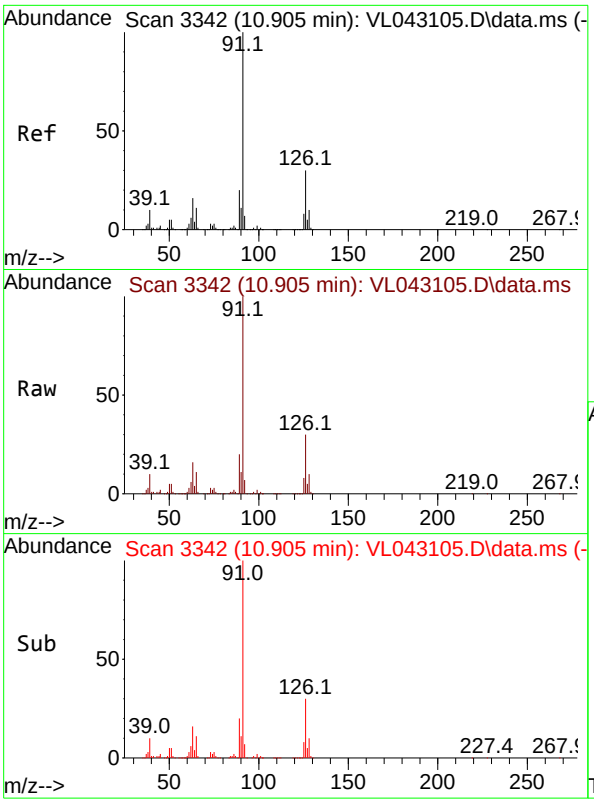


#70
n-Butylbenzene
Concen: 9.053 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 91 Resp: 717743

Ion	Ratio	Lower	Upper
91	100		
92	55.6	44.5	66.7
134	24.1	19.3	28.9



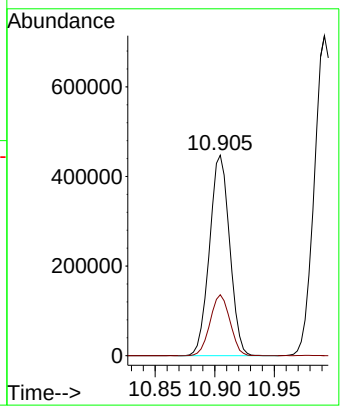


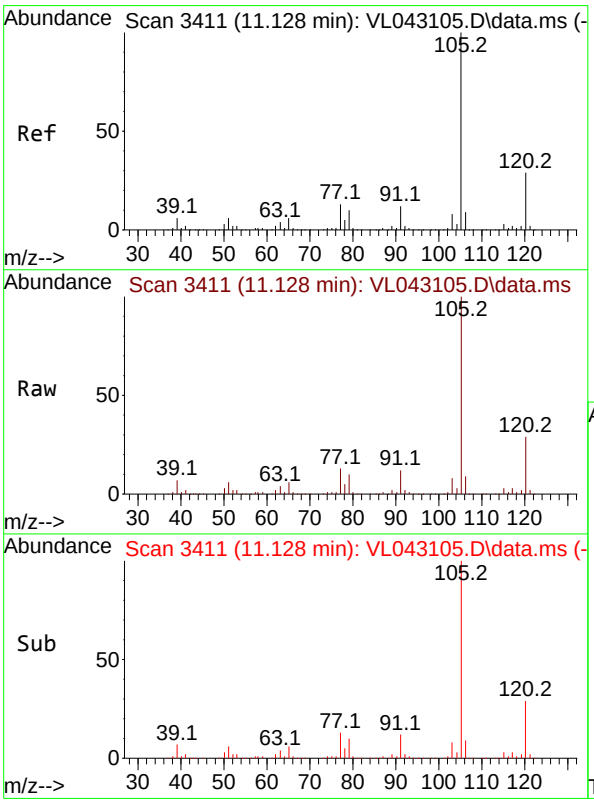
#71
2-Chlorotoluene
Concen: 9.111 ppbv
RT: 10.905 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 524961

Ion	Ratio	Lower	Upper
91	100		
126	30.0	12.0	48.0

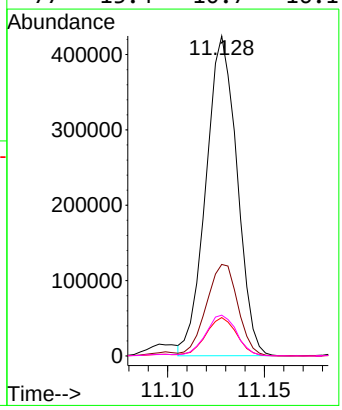


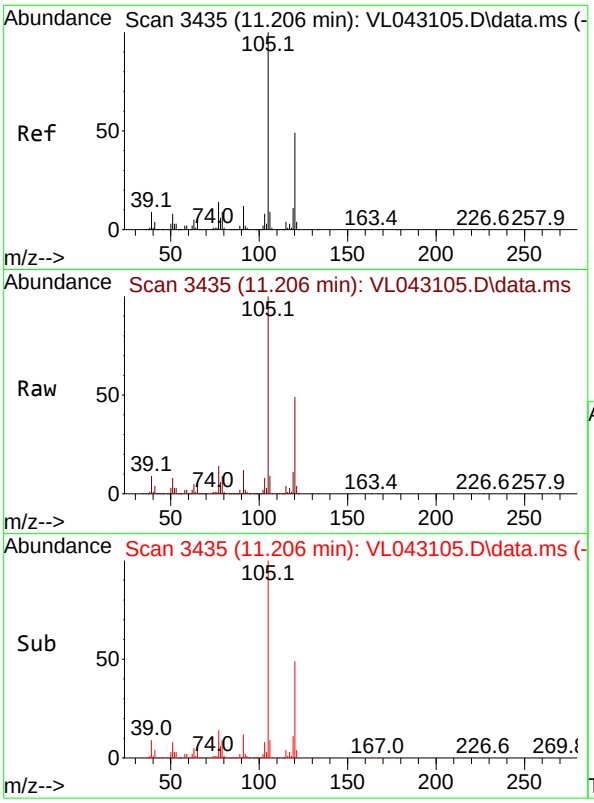


#72
4-Ethyltoluene
Concen: 9.202 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:105 Resp: 473042

Ion	Ratio	Lower	Upper
105	100		
120	30.3	24.2	36.4
91	12.5	10.0	15.0
77	13.4	10.7	16.1



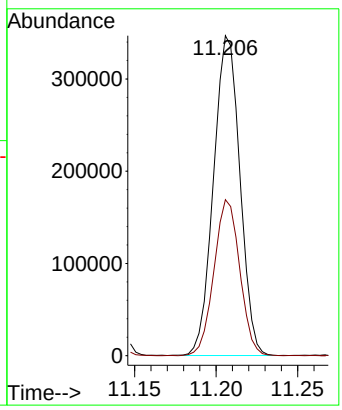


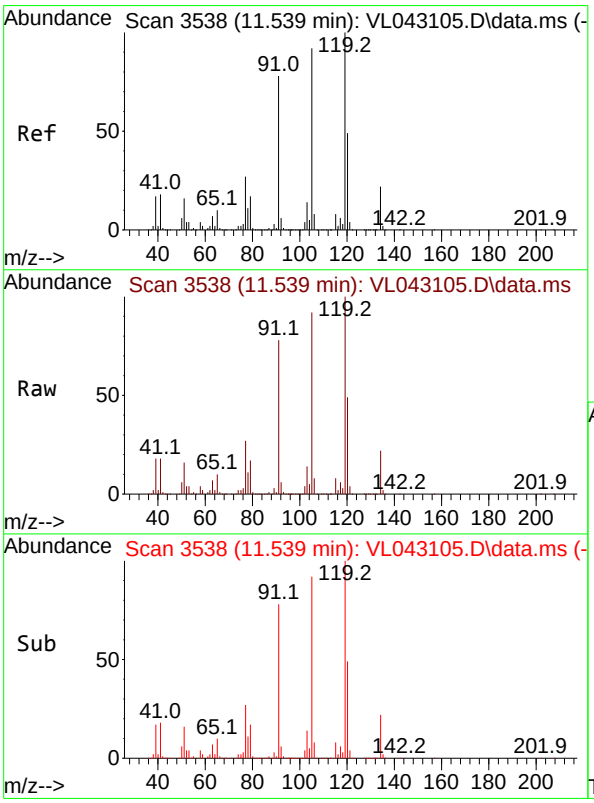
#73
1,3,5-Trimethylbenzene
Concen: 9.195 ppbv
RT: 11.206 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 389818

Ion	Ratio	Lower	Upper
105	100		
120	48.8	39.0	58.6

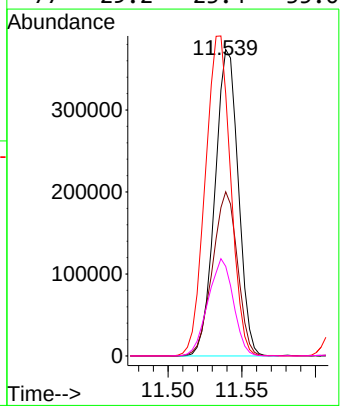


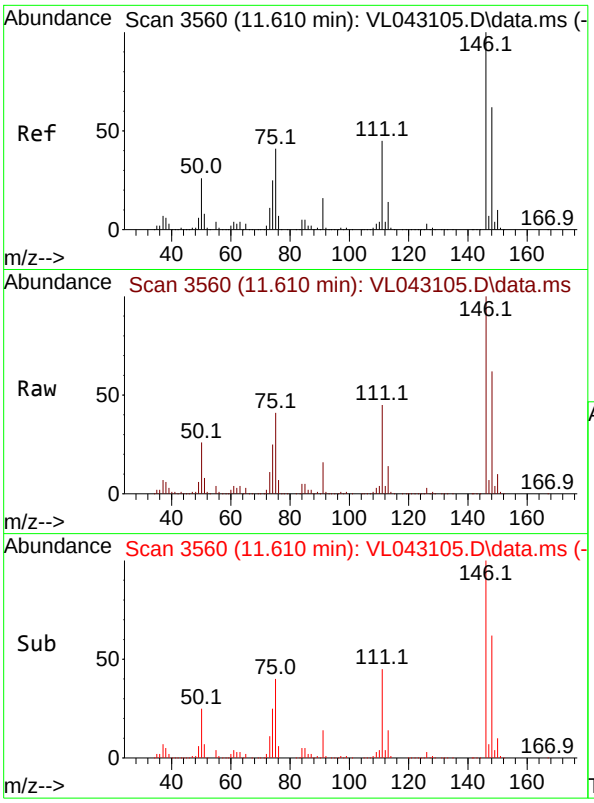


#74
1,2,4-Trimethylbenzene
Concen: 8.676 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:105 Resp: 411619

Ion	Ratio	Lower	Upper
105	100		
120	53.5	42.8	64.2
91	85.4	68.3	102.5
77	29.2	23.4	35.0



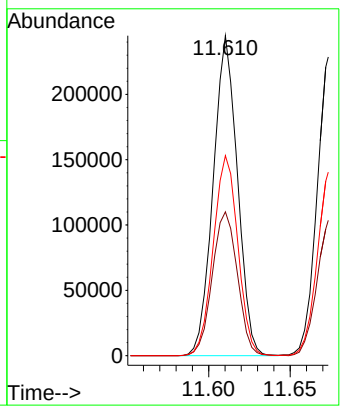


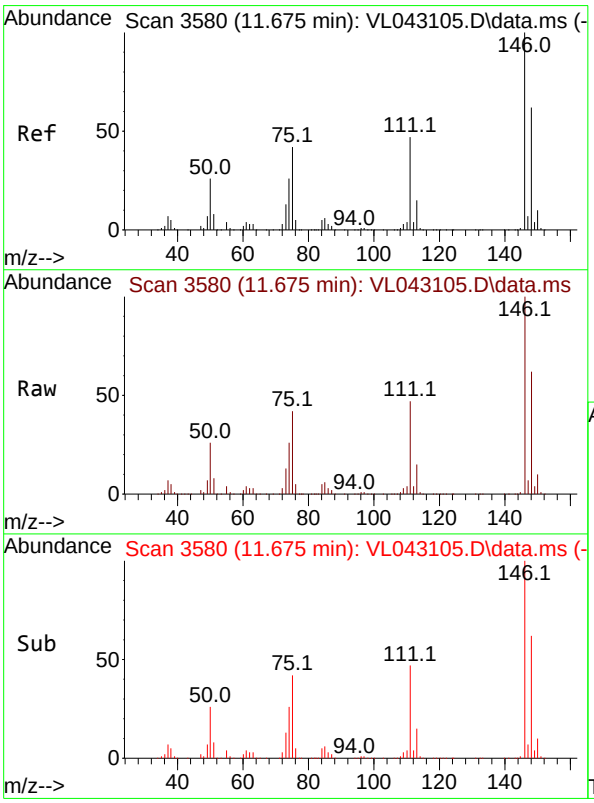
#75
1,3-Dichlorobenzene
Concen: 9.192 ppbv
RT: 11.610 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 252926

Ion	Ratio	Lower	Upper
146	100		
111	46.6	23.3	69.9
148	63.3	31.6	95.0

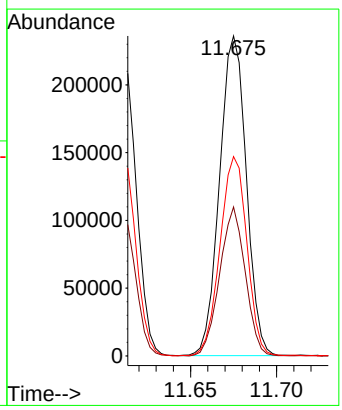


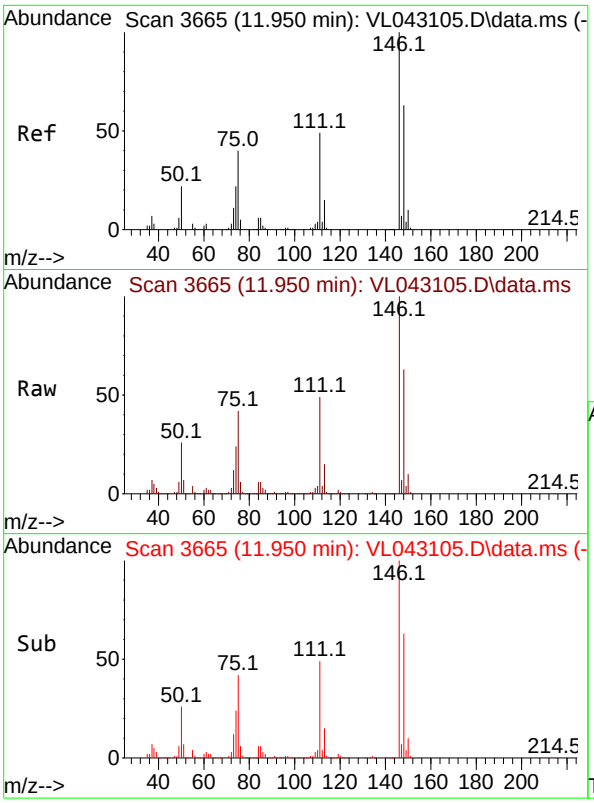


#76
1,4-Dichlorobenzene
Concen: 9.171 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:146 Resp: 254461

Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.4	67.0
148	63.1	31.6	94.7



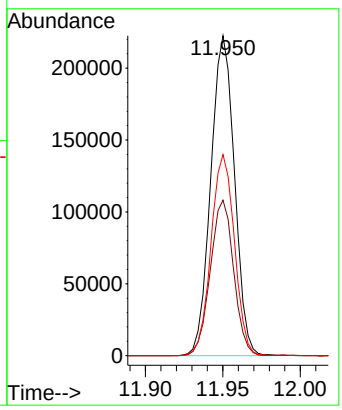


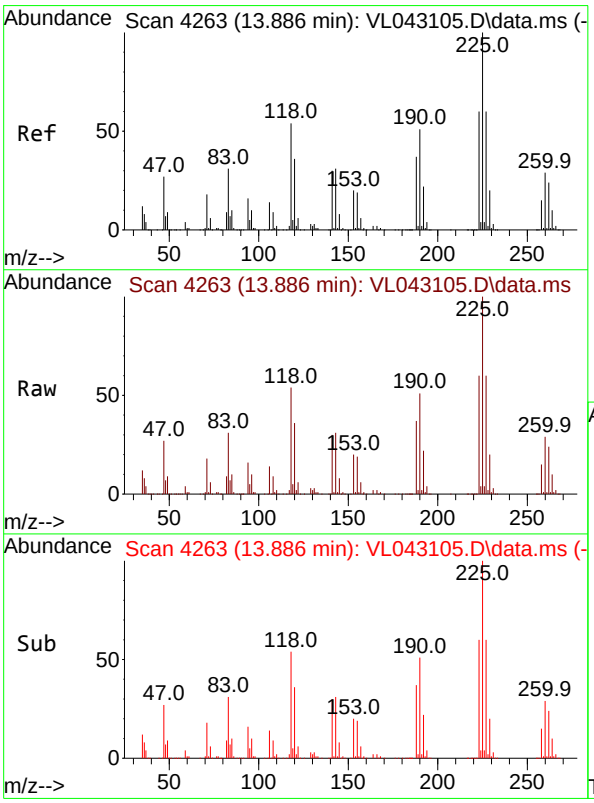
#77
1,2-Dichlorobenzene
Concen: 8.893 ppbv
RT: 11.950 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 236724

Ion	Ratio	Lower	Upper
146	100		
111	48.0	24.0	72.0
148	62.2	31.1	93.3

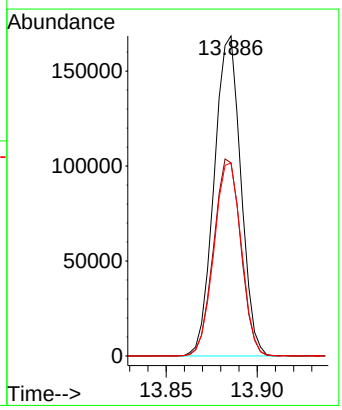


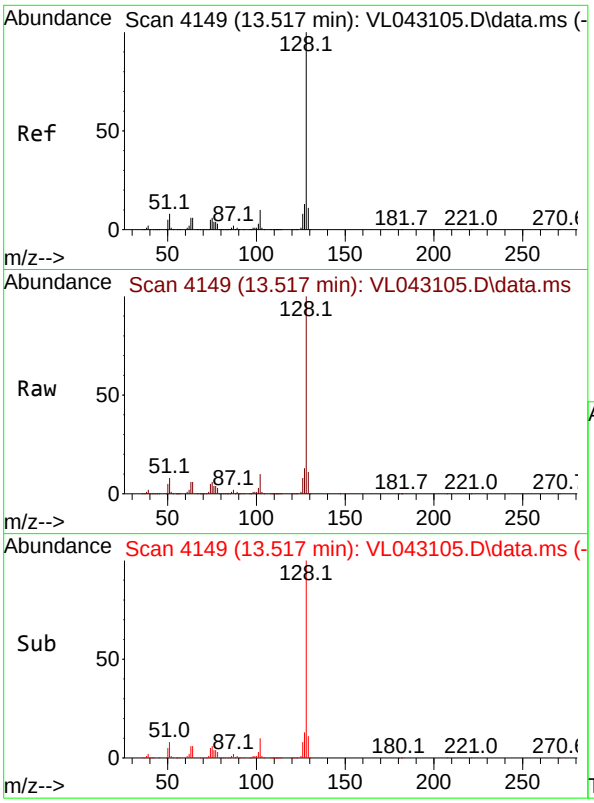


#78
Hexachloro-1,3-Butadiene
Concen: 8.334 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:225 Resp: 171777

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.2	75.4
227	62.0	49.6	74.4



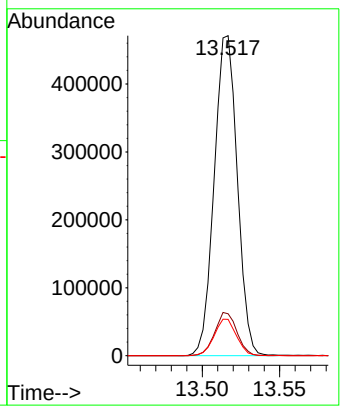


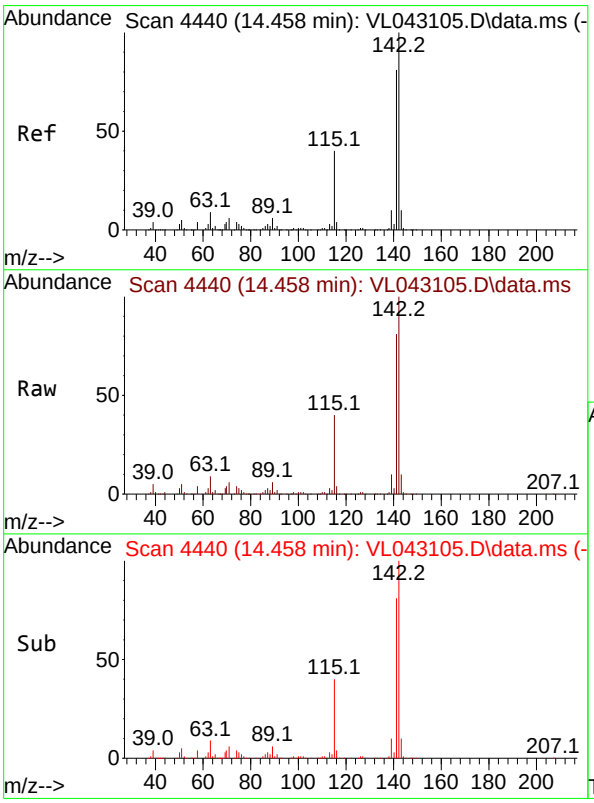
#79
Naphthalene
Concen: 9.972 ppbv
RT: 13.517 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:128 Resp: 488672

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.4	9.1	13.7

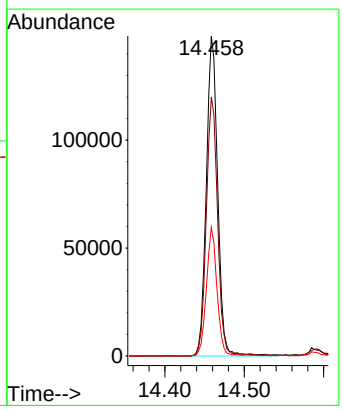


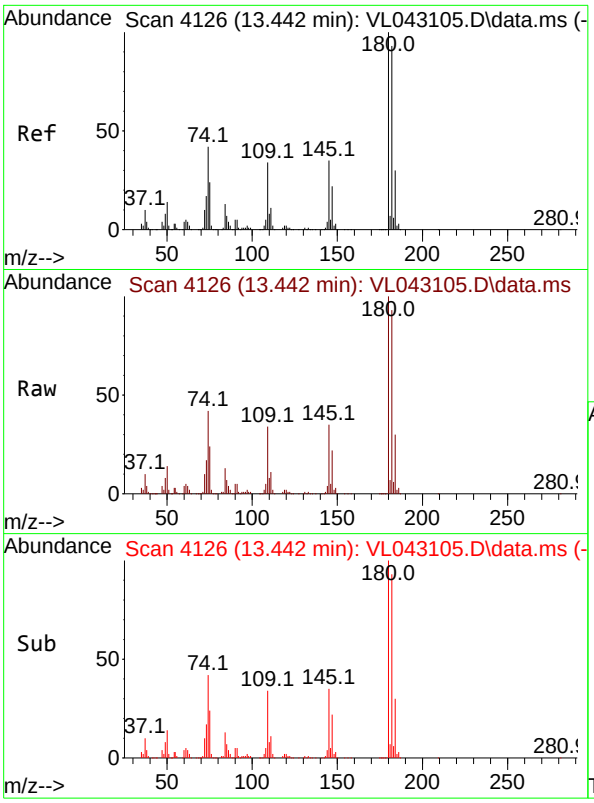


#80
Naphthalene,2-methyl-
Concen: 11.431 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:142 Resp: 147897

Ion	Ratio	Lower	Upper
142	100		
141	80.8	64.6	97.0
115	37.8	30.2	45.4





#81
1,2,4-Trichlorobenzene
Concen: 9.582 ppbv
RT: 13.442 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:180 Resp: 197210

Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.5	113.3
184	29.9	23.9	35.9