Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043257.D
Acq On : 20 Nov 2025 10:14
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Nov 21 00:33:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.777	49	102759	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.943	114	275595	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.866	117	222776	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	166532	10.198	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	161177	11.121	ppbv	98
3) Chlorodifluoromethane	1.473	51	146232	10.259	ppbv	95
4) Chloromethane	1.531	50	54380	10.035	ppbv	95
5) Vinyl Chloride	1.577	62	55244	9.322	ppbv	95
6) Bromomethane	1.664	94	27639	9.621	ppbv	99
7) Chloroethane	1.700	64	22384	9.698	ppbv	100
8) Dichlorotetrafluoroethane	1.551	85	129834	10.769	ppbv	99
9) Propene	1.768	41	57274	9.463	ppbv	98
10) Heptane	4.959	43	156253	8.674	ppbv	95
11) Trichlorofluoromethane	1.874	101	169670	12.083	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.133	101	126654	11.553	ppbv	97
13) Ethanol	1.716	45	16970	7.973	ppbv	95
14) Bromoethene	1.777	108	45797	10.897	ppbv	96
15) Acetone	1.829	43	122027	8.547	ppbv	99
16) 1,3-Butadiene	1.606	39	62334	9.794	ppbv	97
17) tert-Butyl alcohol	2.033	59	175626	9.372	ppbv	100
18) 1,1-Dichloroethene	2.030	96	55419	10.857	ppbv	88
19) Isopropyl Alcohol	1.881	45	72573	8.996	ppbv	94
20) Methylene Chloride	2.056	84	48499	11.659	ppbv	95
21) Allyl Chloride	2.091	41	83761	8.720	ppbv	93
22) trans-1,2-Dichloroethene	2.334	96	62490	10.711	ppbv	90
23) Vinyl Acetate	2.454	43	157670	9.148	ppbv	99
24) 1,1-Dichloroethane	2.402	63	119663	10.625	ppbv	97
25) Ethyl Acetate	2.823	43	285972	9.287	ppbv	99
26) Hexane	2.819	57	130004	9.630	ppbv	98
27) Carbon Disulfide	2.146	76	150498	10.920	ppbv	99
28) Methyl tert-Butyl Ether	2.431	73	68600	10.352	ppbv	95
29) Chloroform	2.839	83	219297	11.429	ppbv	99
30) Cyclohexane	3.845	84	109617	9.685	ppbv	95
31) cis-1,2-Dichloroethene	2.713	61	137895	10.277	ppbv	93
32) 1,1,1-Trichloroethane	3.357	97	226600	11.079	ppbv	99
34) 2-Butanone	2.548	43	180979	9.303	ppbv	100
35) Carbon Tetrachloride	3.752	117	237548	11.356	ppbv	98
36) Benzene	3.645	78	265981	10.078	ppbv	99
37) 1,2-Dichloroethane	3.208	62	173345	11.229	ppbv	98
38) Trichloroethene	4.528	130	107877	10.447	ppbv	94
39) 1,2-Dichloropropane	4.299	63	92453	9.571	ppbv	95
40) 1,4-Dioxane	4.558	88	36555	8.418	ppbv #	91
41) Tetrahydrofuran	3.040	42	94776	8.822	ppbv	98
42) Bromodichloromethane	4.470	83	237498	11.152	ppbv	99
43) Methyl Methacrylate	4.862	69	125480	8.957	ppbv	96
44) 2,2,4-Trimethylpentane	4.622	57	437108	9.643	ppbv	99
45) t-1,3-Dichloropropene	6.389	75	100231	7.675	ppbv	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043257.D
Acq On : 20 Nov 2025 10:14
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Nov 21 00:33:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.577	75	122504	7.989	ppbv		98
47) 1,1,2-Trichloroethane	6.555	97	49025	4.782	ppbv		97
48) Dibromochloromethane	7.370	129	193819	10.997	ppbv		99
49) Bromoform	9.471	173	171644	10.994	ppbv		100
50) 4-Methyl-2-Pentanone	5.723	43	238084	8.688	ppbv		99
51) 2-Hexanone	7.415	43	172317	8.097	ppbv	#	99
52) Tetrachloroethene	8.208	164	99129	10.097	ppbv		94
53) Toluene	6.914	91	300158	9.604	ppbv		99
54) 1,2-Dibromoethane	7.636	107	146099	9.684	ppbv		95
56) 1,1,1,2-Tetrachloroethane	8.911	131	176606	10.787	ppbv		98
57) Chlorobenzene	8.908	112	236347	10.333	ppbv		98
58) Ethyl Benzene	9.341	91	430385	10.037	ppbv		99
59) m/p-Xylene	9.539	91	325160	9.459	ppbv	#	21
60) o-Xylene	9.950	91	353166	10.284	ppbv		100
61) Styrene	9.859	104	140574	9.353	ppbv		99
62) Isopropylbenzene	10.529	105	637682	10.379	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.950	83	214523	9.817	ppbv		100
64) n-propylbenzene	10.979	120	158685	10.052	ppbv		97
65) tert-Butylbenzene	11.520	119	544959	9.932	ppbv		98
66) Benzyl Chloride	11.604	91	23441	4.210	ppbv		99
67) sec-Butylbenzene	11.756	105	764527	9.982	ppbv		100
69) p-Isopropyltoluene	11.914	119	641411	9.886	ppbv		100
70) n-Butylbenzene	12.270	91	626151	9.948	ppbv		99
71) 2-Chlorotoluene	10.888	91	466353	9.875	ppbv		99
72) 4-Ethyltoluene	11.115	105	424355	10.147	ppbv		98
73) 1,3,5-Trimethylbenzene	11.193	105	355138	10.119	ppbv		96
74) 1,2,4-Trimethylbenzene	11.526	105	386671	10.095	ppbv		99
75) 1,3-Dichlorobenzene	11.597	146	227896	10.196	ppbv		99
76) 1,4-Dichlorobenzene	11.662	146	226164	10.117	ppbv		100
77) 1,2-Dichlorobenzene	11.937	146	215578	10.032	ppbv		98
78) Hexachloro-1,3-Butadiene	13.873	225	172235	9.604	ppbv		100
79) Naphthalene	13.504	128	324391	9.536	ppbv		98
80) Naphthalene,2-methyl-	14.449	142	78637	8.806	ppbv		98
81) 1,2,4-Trichlorobenzene	13.429	180	160725	10.564	ppbv		99

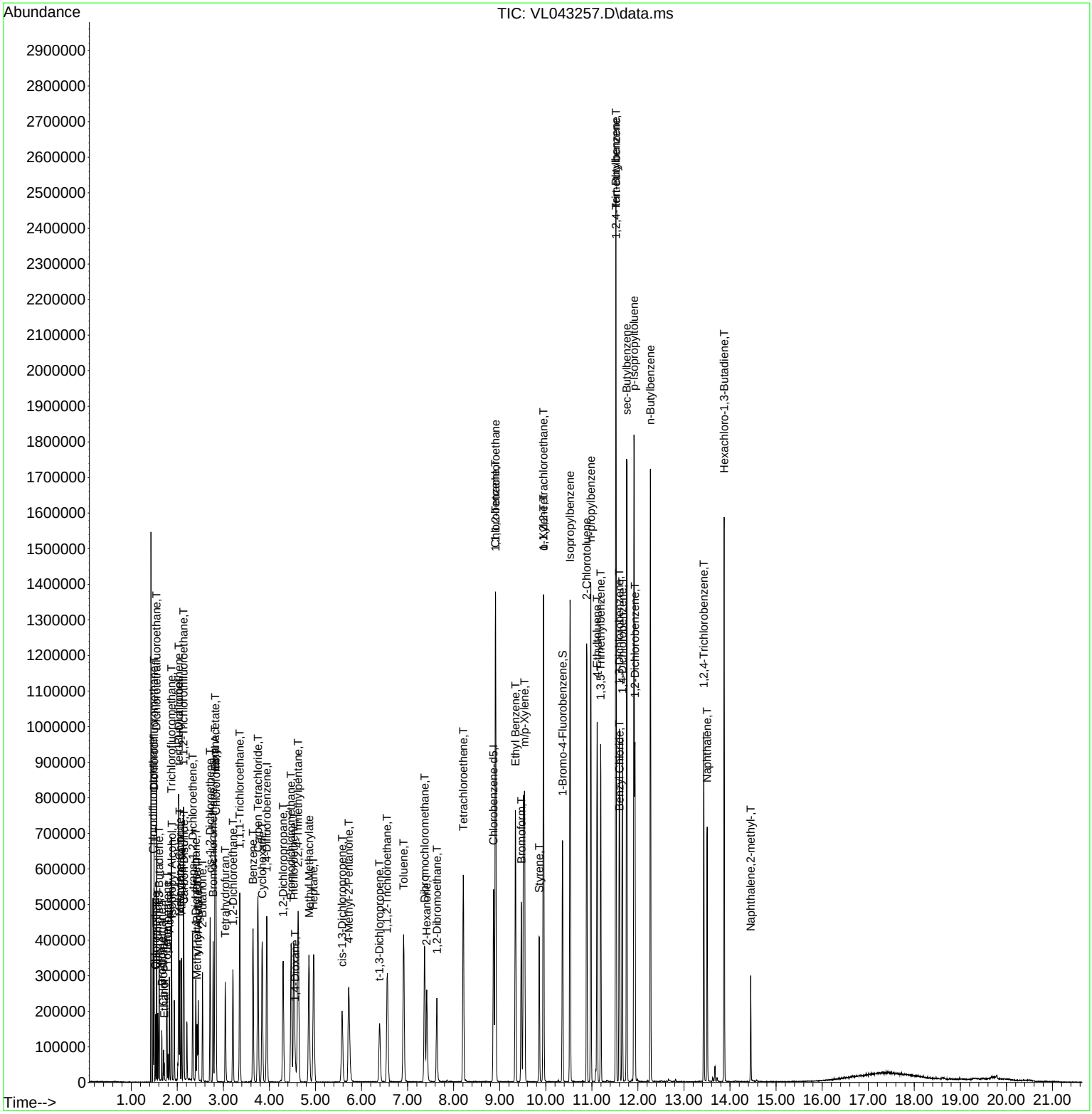
(#) = qualifier out of range (m) = manual integration (+) = signals summed

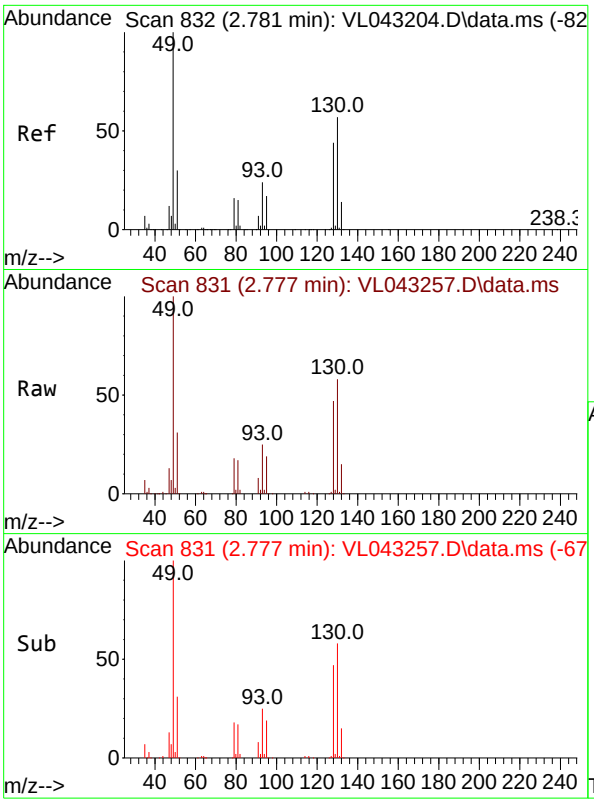
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043257.D
Acq On : 20 Nov 2025 10:14
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Nov 21 00:33:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration



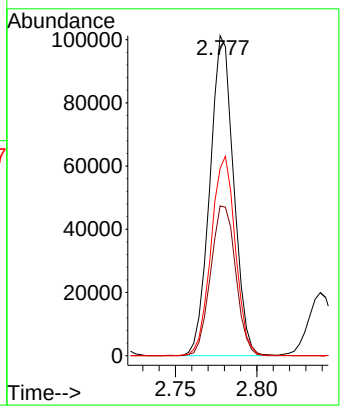


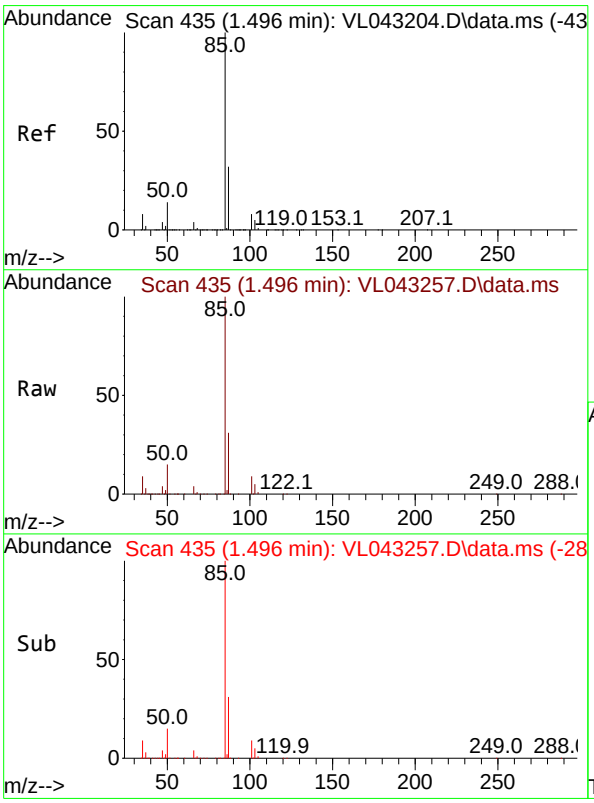
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 8
Delta R.T. -0.004 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 102759

Ion	Ratio	Lower	Upper
49	100		
128	49.3	23.0	69.0
130	63.4	29.9	89.7

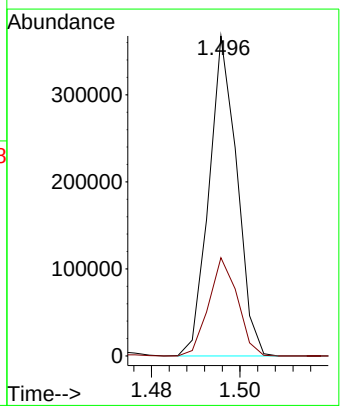


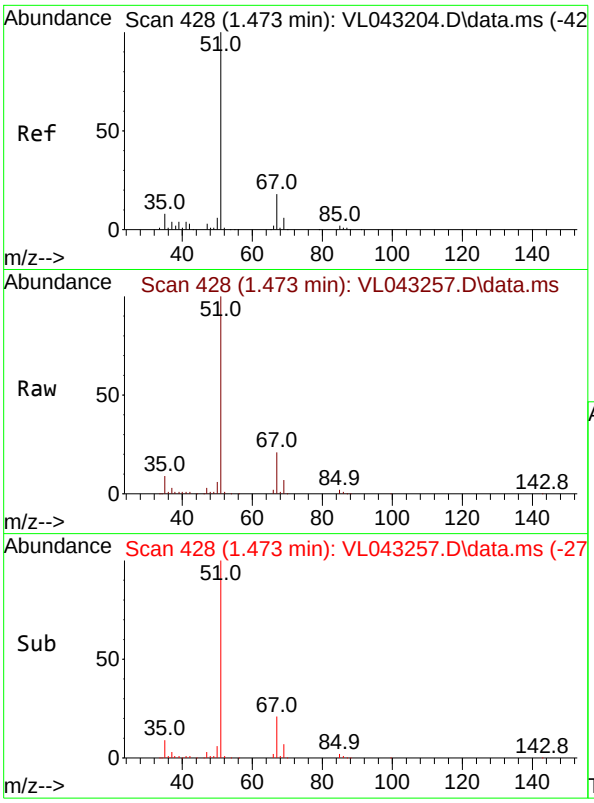


#2
Dichlorodifluoromethane
Concen: 11.121 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 85 Resp: 161177

Ion	Ratio	Lower	Upper
85	100		
87	30.7	25.4	38.2



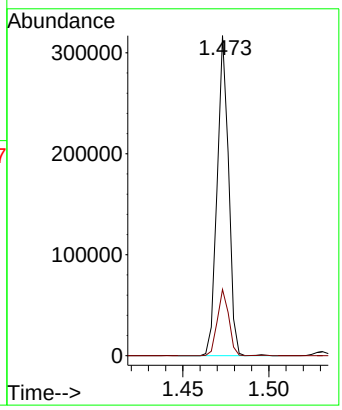


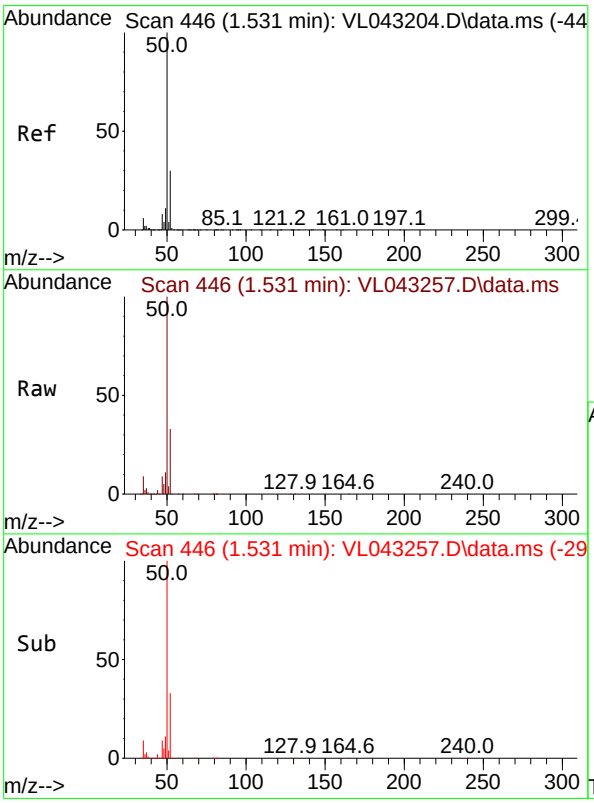
#3
Chlorodifluoromethane
Concen: 10.259 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 146232

Ion	Ratio	Lower	Upper
51	100		
67	20.8	14.9	22.3

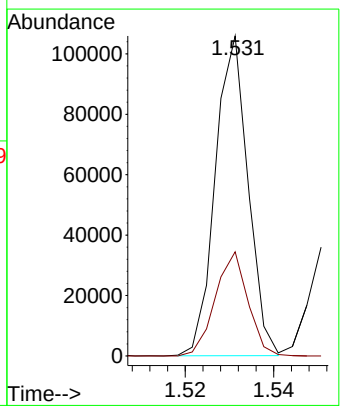


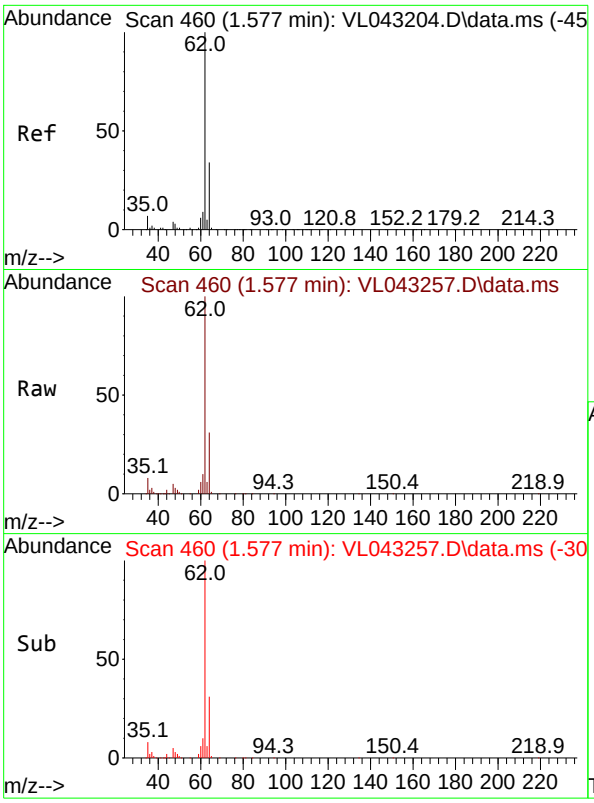


#4
Chloromethane
Concen: 10.035 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 50 Resp: 54380

Ion	Ratio	Lower	Upper
50	100		
52	32.6	24.1	36.1



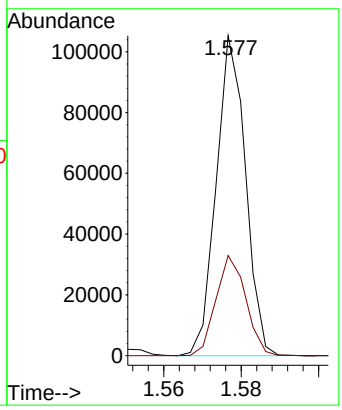


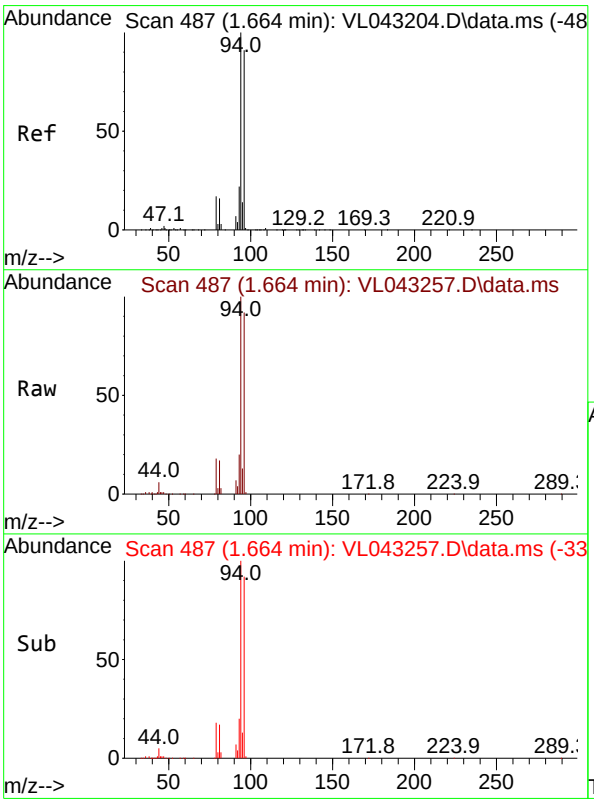
#5
Vinyl Chloride
Concen: 9.322 ppbv
RT: 1.577 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 55244

Ion	Ratio	Lower	Upper
62	100		
64	31.3	27.3	40.9

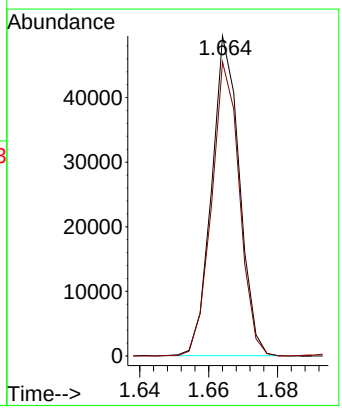


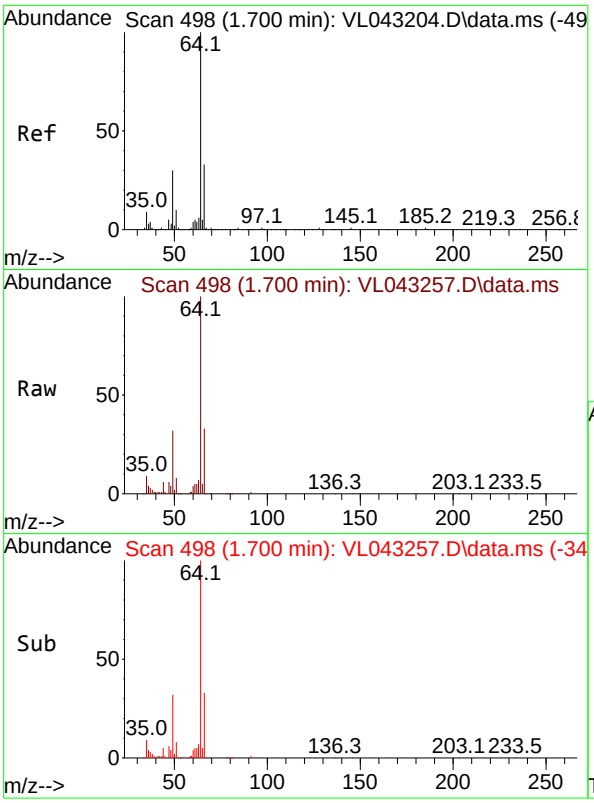


#6
Bromomethane
Concen: 9.621 ppbv
RT: 1.664 min Scan# 487
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 94 Resp: 27639

Ion	Ratio	Lower	Upper
94	100		
96	92.0	72.9	109.3



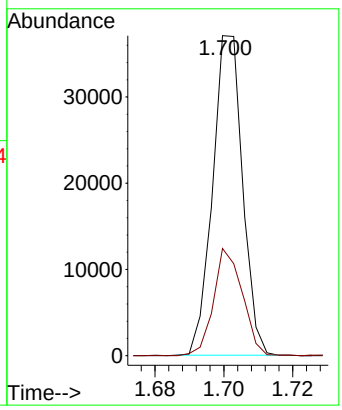


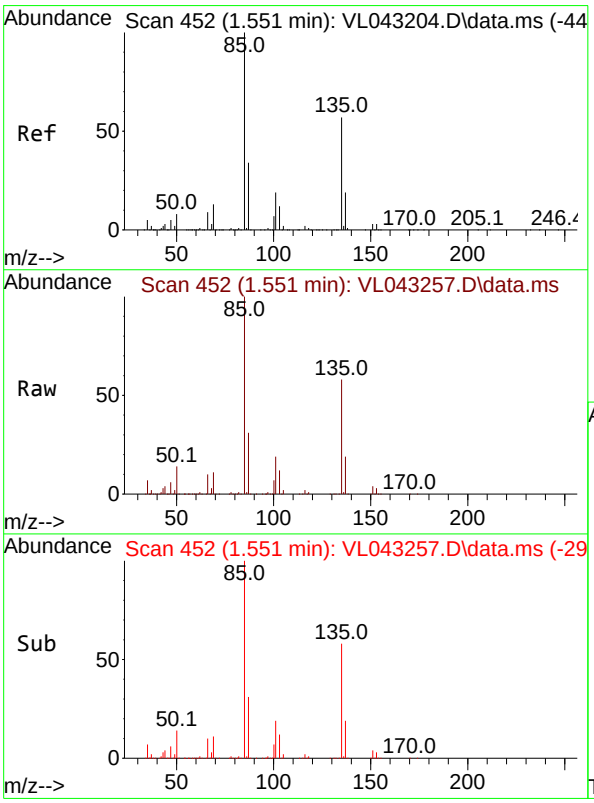
#7
Chloroethane
Concen: 9.698 ppbv
RT: 1.700 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 22384

Ion	Ratio	Lower	Upper
64	100		
66	33.5	26.8	40.2

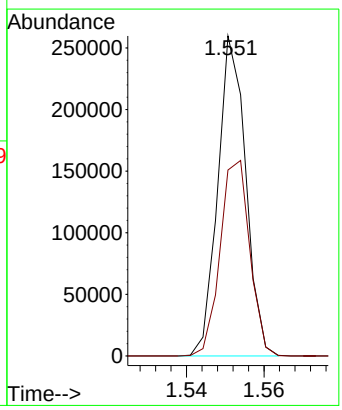


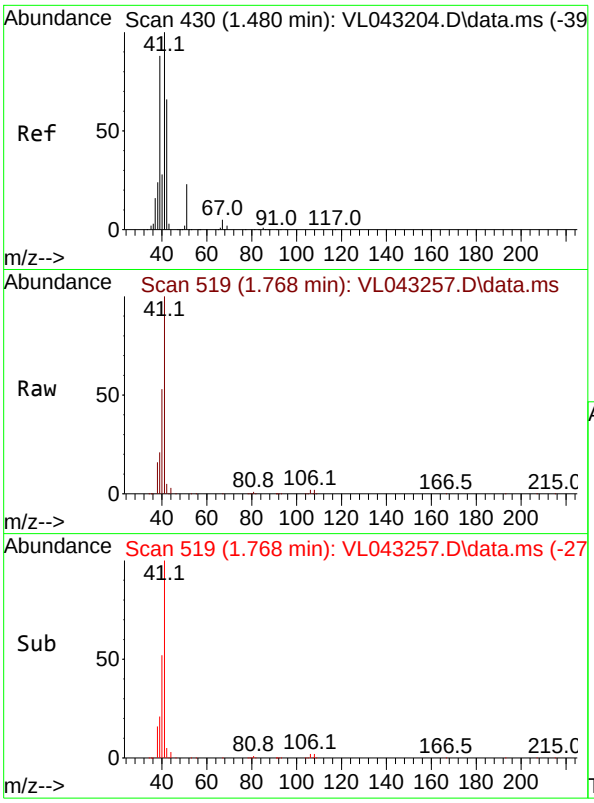


#8
Dichlorotetrafluoroethane
Concen: 10.769 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 85 Resp: 129834

Ion	Ratio	Lower	Upper
85	100		
135	65.0	52.6	79.0



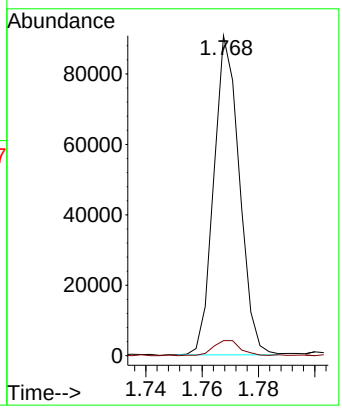


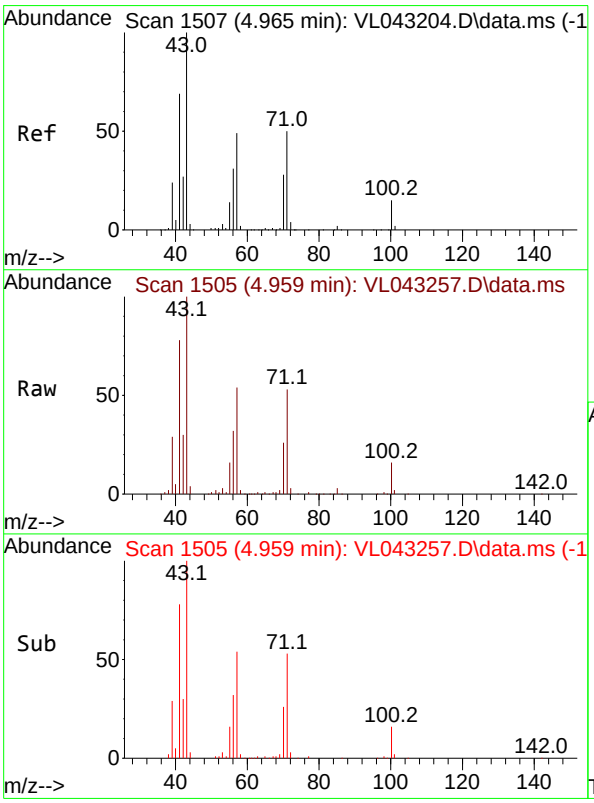
#9
Propene
Concen: 9.463 ppbv
RT: 1.768 min Scan# 5
Delta R.T. 0.288 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 57274

Ion	Ratio	Lower	Upper
41	100		
42	5.3	3.7	5.5

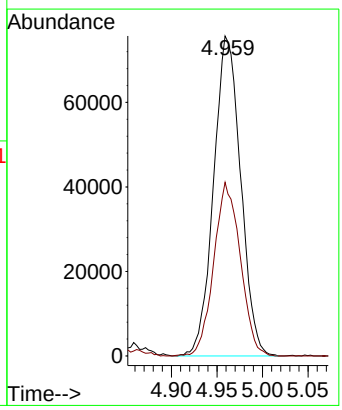


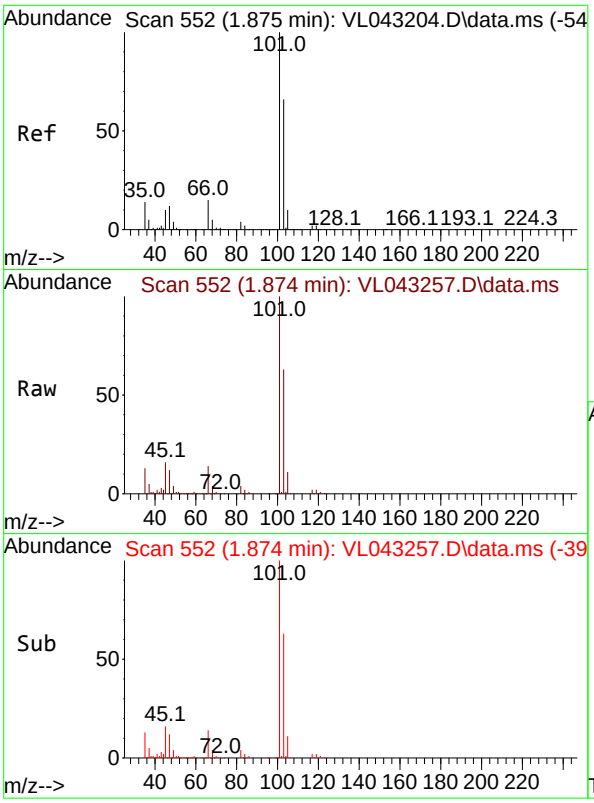


#10
Heptane
Concen: 8.674 ppbv
RT: 4.959 min Scan# 1505
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 43 Resp: 156253

Ion	Ratio	Lower	Upper
43	100		
57	53.2	39.7	59.5



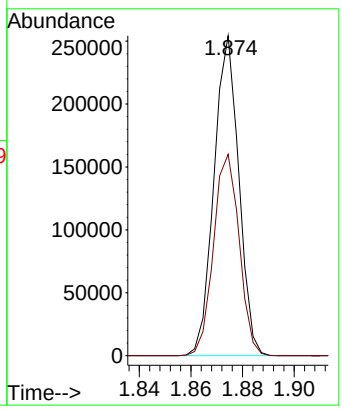


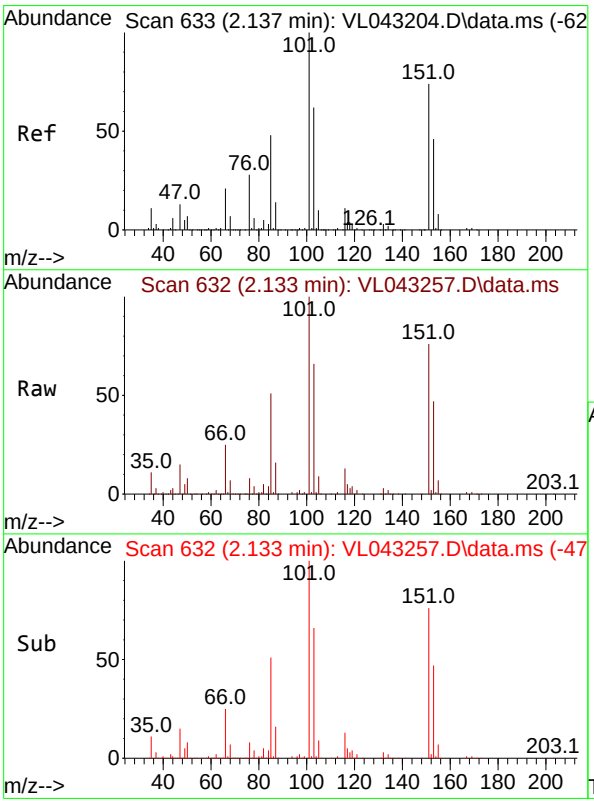
#11
Trichlorofluoromethane
Concen: 12.083 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 169670

Ion	Ratio	Lower	Upper
101	100		
103	63.0	52.6	79.0

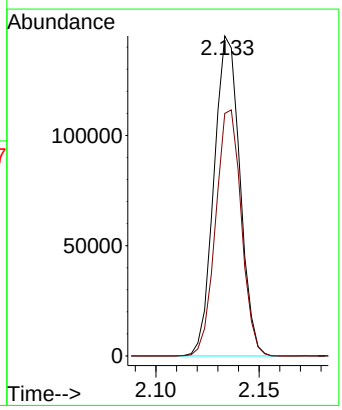


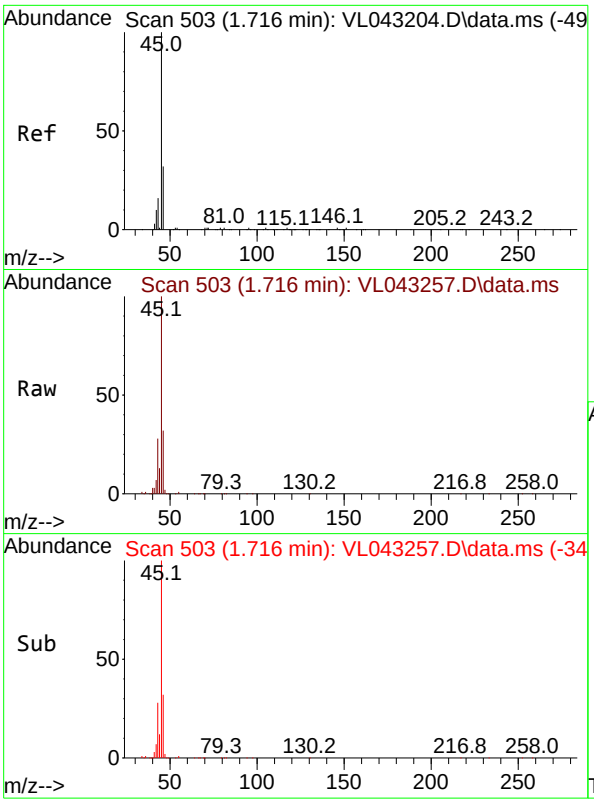


#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.553 ppbv
RT: 2.133 min Scan# 632
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:101 Resp: 126654

Ion	Ratio	Lower	Upper
101	100		
151	76.2	59.2	88.8



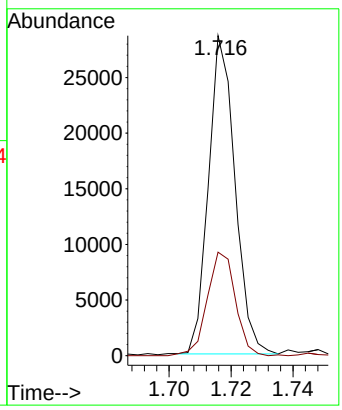


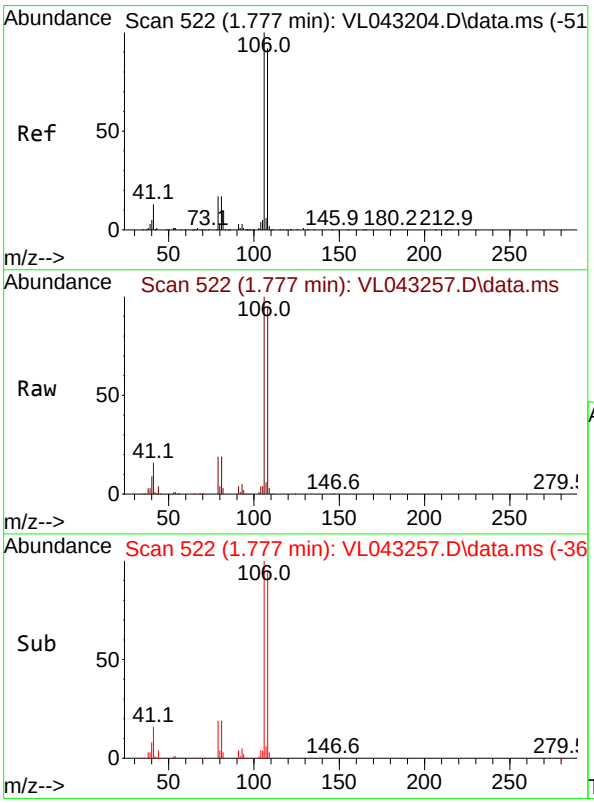
#13
Ethanol
Concen: 7.973 ppbv
RT: 1.716 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 16970

Ion	Ratio	Lower	Upper
45	100		
46	34.5	15.0	59.8

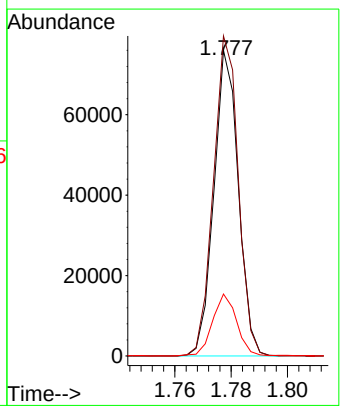


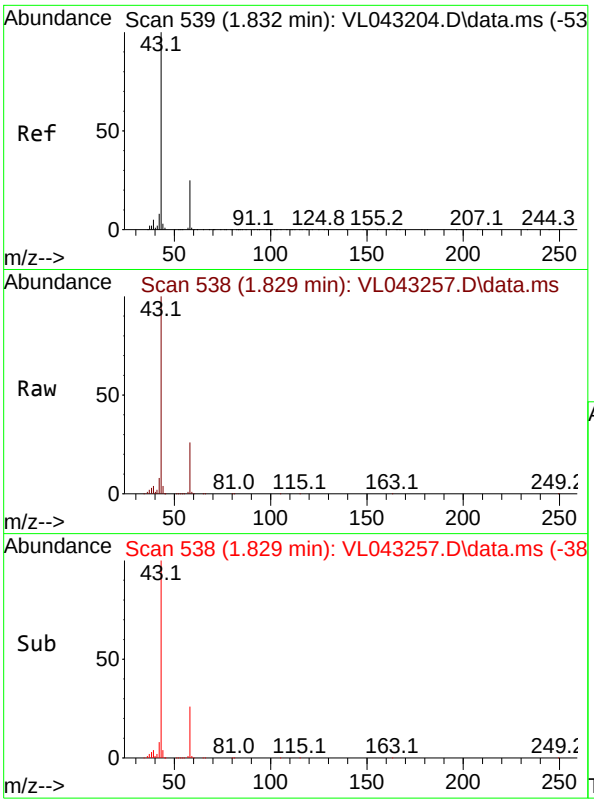


#14
Bromoethene
Concen: 10.897 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:108 Resp: 45797

Ion	Ratio	Lower	Upper
108	100		
106	106.5	88.9	133.3
79	20.6	16.5	24.7



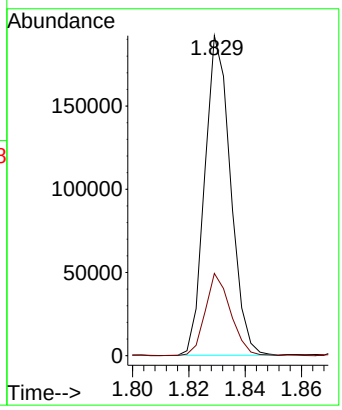


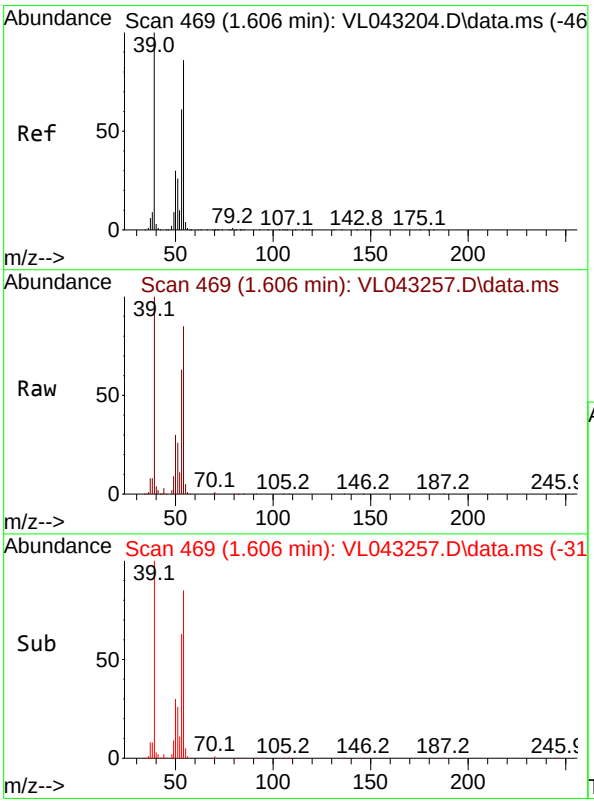
#15
Acetone
Concen: 8.547 ppbv
RT: 1.829 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 122027

Ion	Ratio	Lower	Upper
43	100		
58	25.6	20.7	31.1

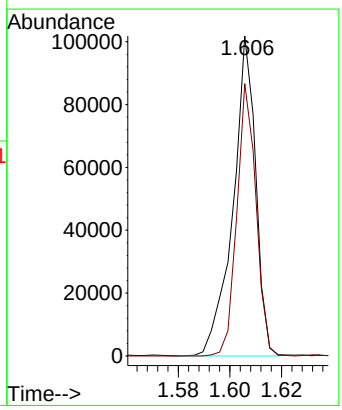


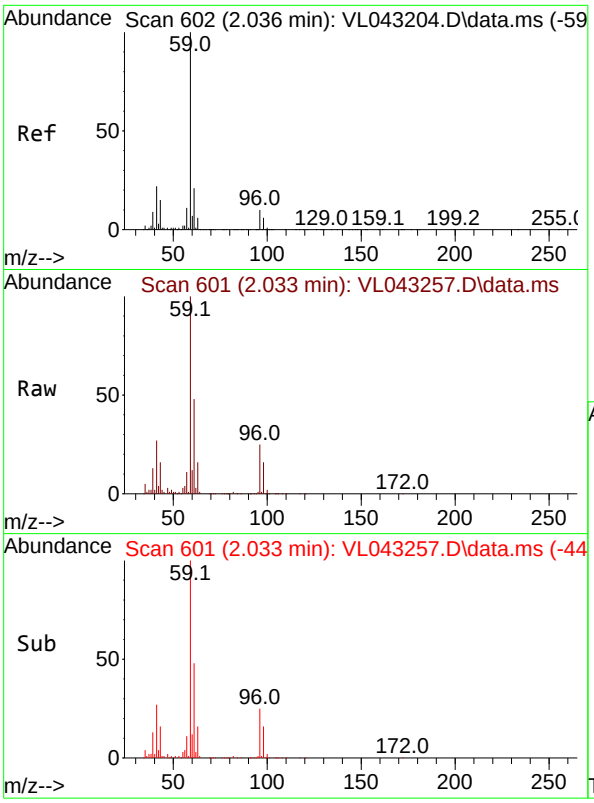


#16
1,3-Butadiene
Concen: 9.794 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 39 Resp: 62334

Ion	Ratio	Lower	Upper
39	100		
54	71.9	59.4	89.2



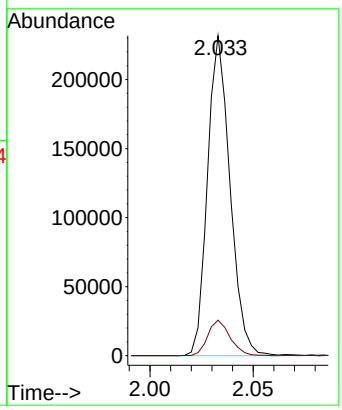


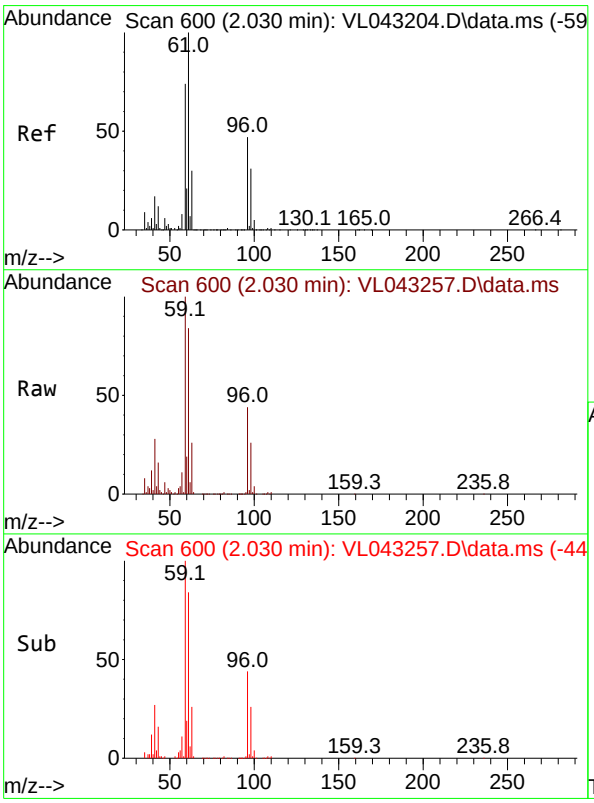
#17
tert-Butyl alcohol
Concen: 9.372 ppbv
RT: 2.033 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 175626

Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.0	13.4

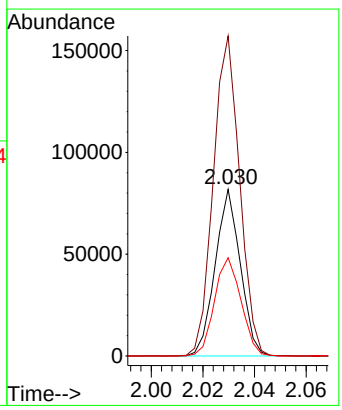


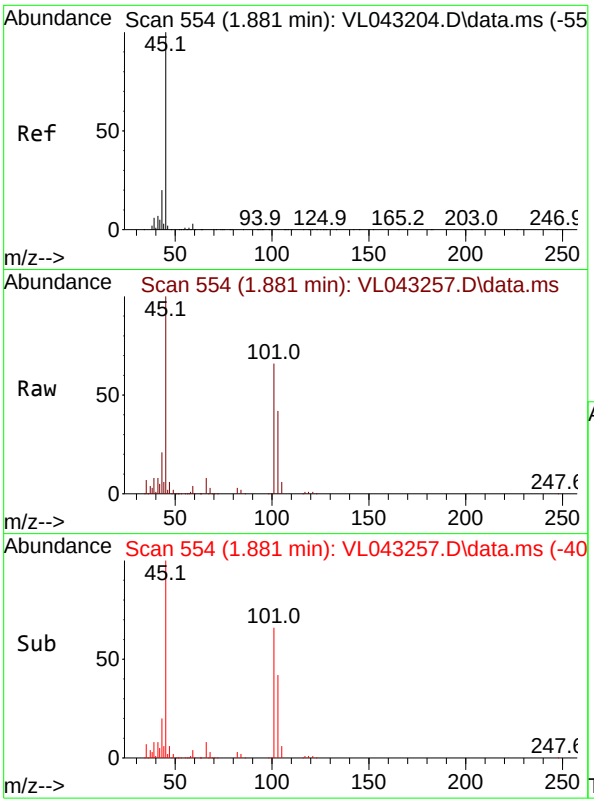


#18
1,1-Dichloroethene
Concen: 10.857 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 96 Resp: 55419

Ion	Ratio	Lower	Upper
96	100		
61	192.0	170.6	255.8
98	58.9	52.2	78.4



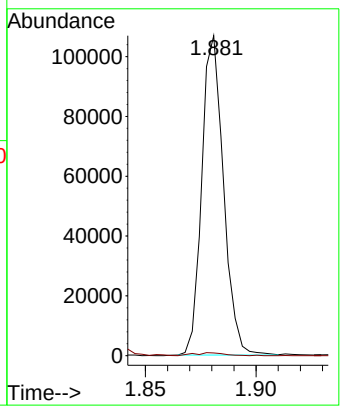


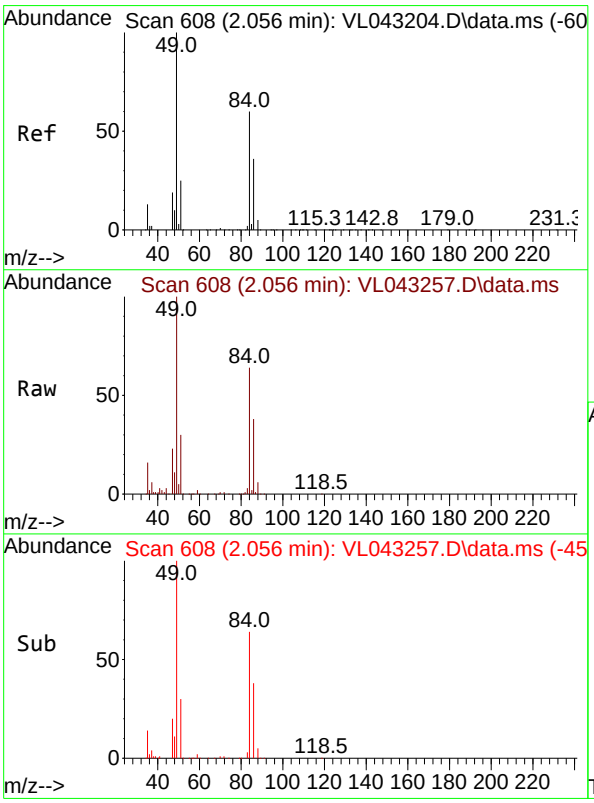
#19
Isopropyl Alcohol
Concen: 8.996 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 72573

Ion	Ratio	Lower	Upper
45	100		
58	43.1	31.3	46.9

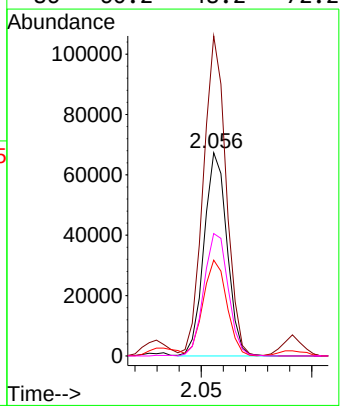


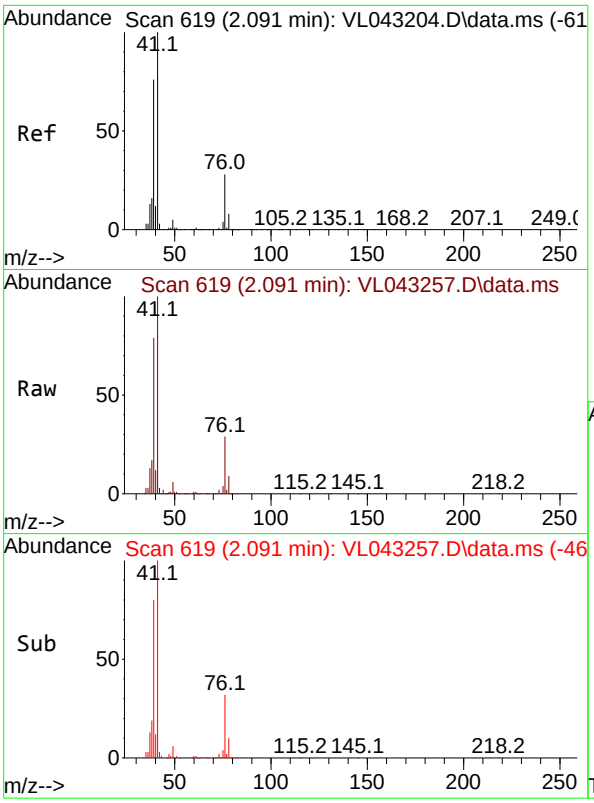


#20
Methylene Chloride
Concen: 11.659 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 84 Resp: 48499

Ion	Ratio	Lower	Upper
84	100		
49	155.9	132.9	199.3
51	45.7	34.8	52.2
86	60.2	48.2	72.2



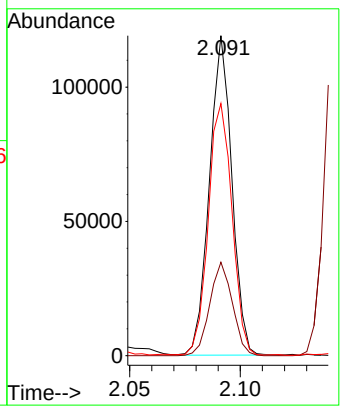


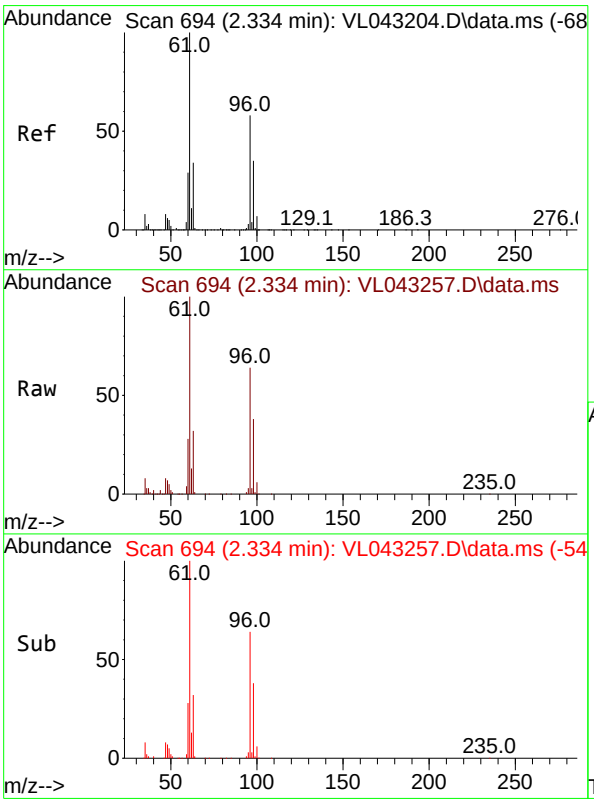
#21
Allyl Chloride
Concen: 8.720 ppbv
RT: 2.091 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 83761

Ion	Ratio	Lower	Upper
41	100		
76	29.6	22.1	33.1
39	83.6	61.0	91.4

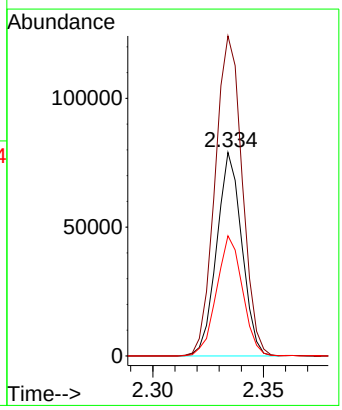


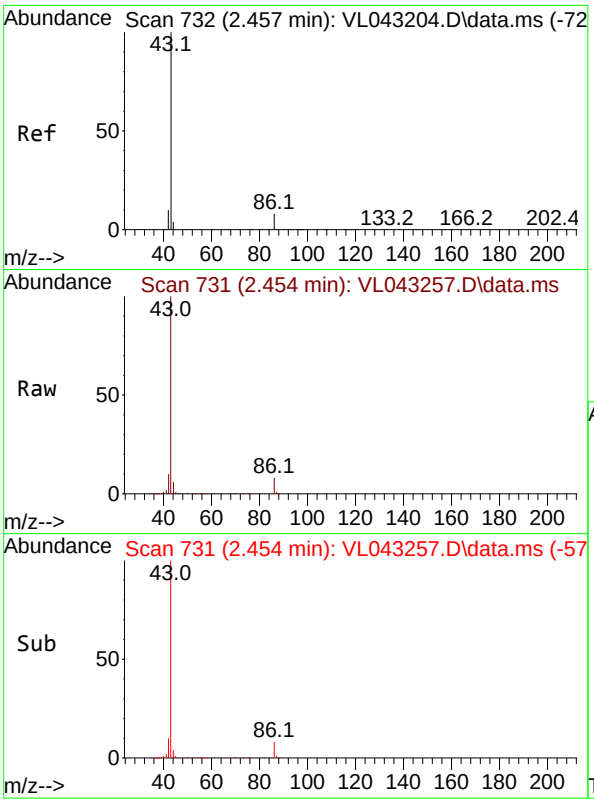


#22
trans-1,2-Dichloroethene
Concen: 10.711 ppbv
RT: 2.334 min Scan# 694
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 96 Resp: 62490

Ion	Ratio	Lower	Upper
96	100		
61	157.2	139.0	208.6
98	59.1	49.4	74.2



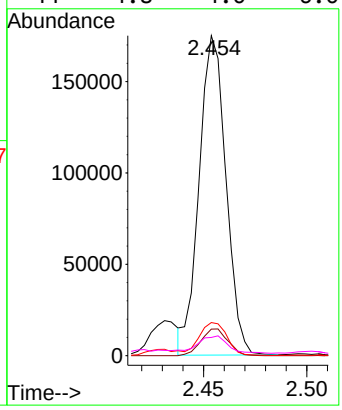


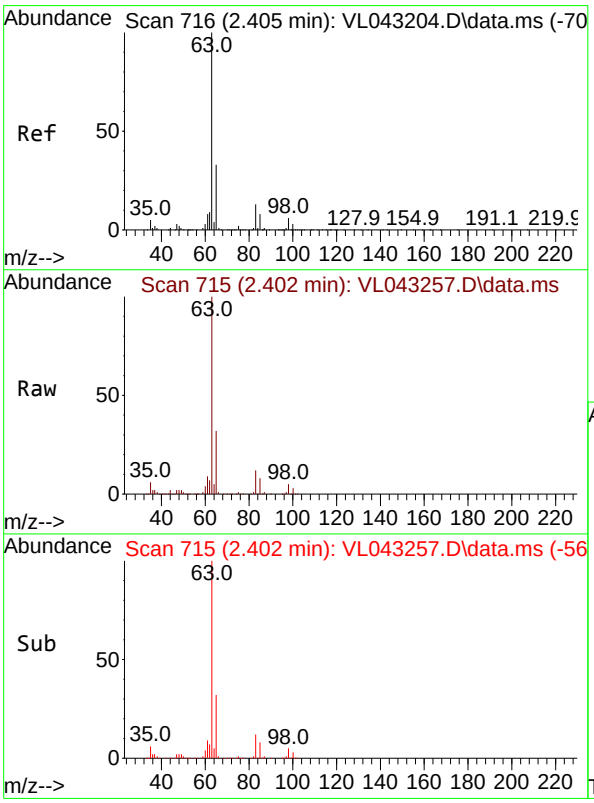
#23
Vinyl Acetate
Concen: 9.148 ppbv
RT: 2.454 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 157670

Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.2	9.2
42	10.2	8.0	12.0
44	4.8	4.0	6.0

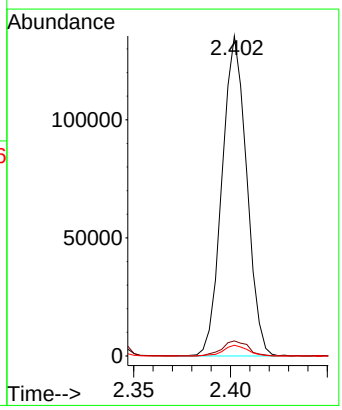


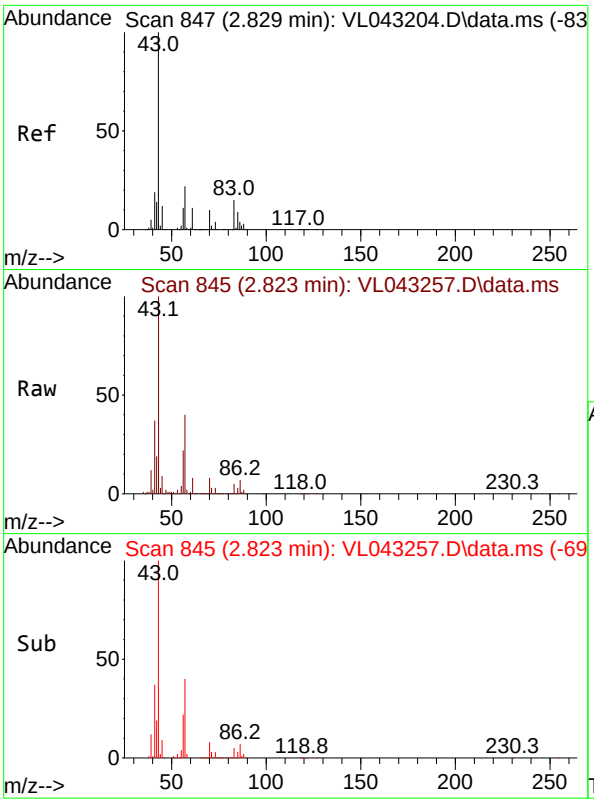


#24
1,1-Dichloroethane
Concen: 10.625 ppbv
RT: 2.402 min Scan# 715
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 63 Resp: 119663

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.8	8.4
100	3.4	1.3	3.9



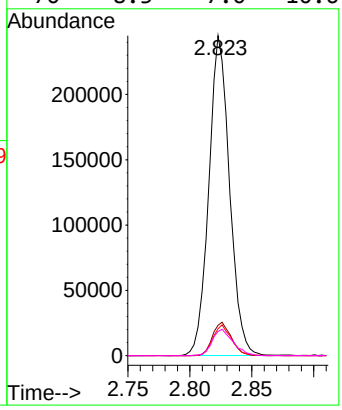


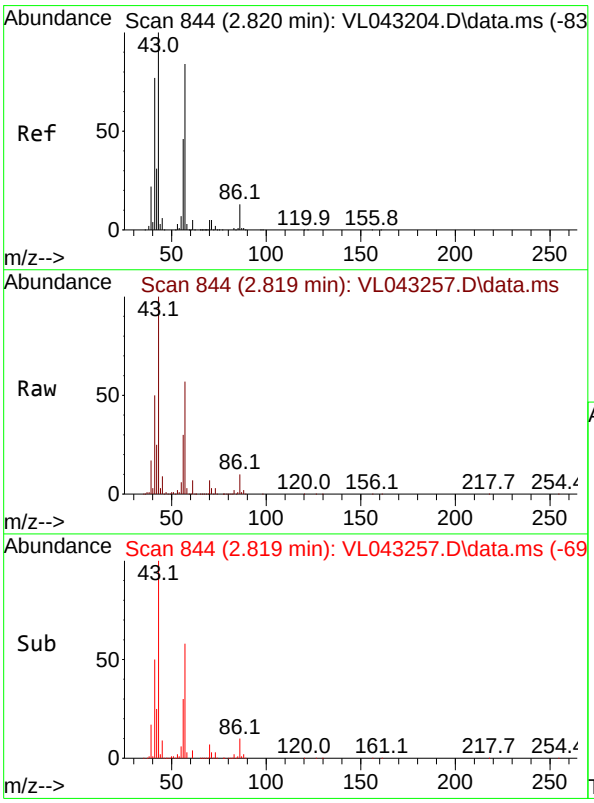
#25
Ethyl Acetate
Concen: 9.287 ppbv
RT: 2.823 min Scan# 84
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 285972

Ion	Ratio	Lower	Upper
43	100		
45	9.5	8.1	12.1
61	8.7	7.0	10.4
70	8.3	7.0	10.6

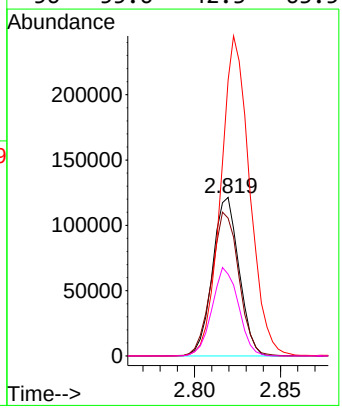


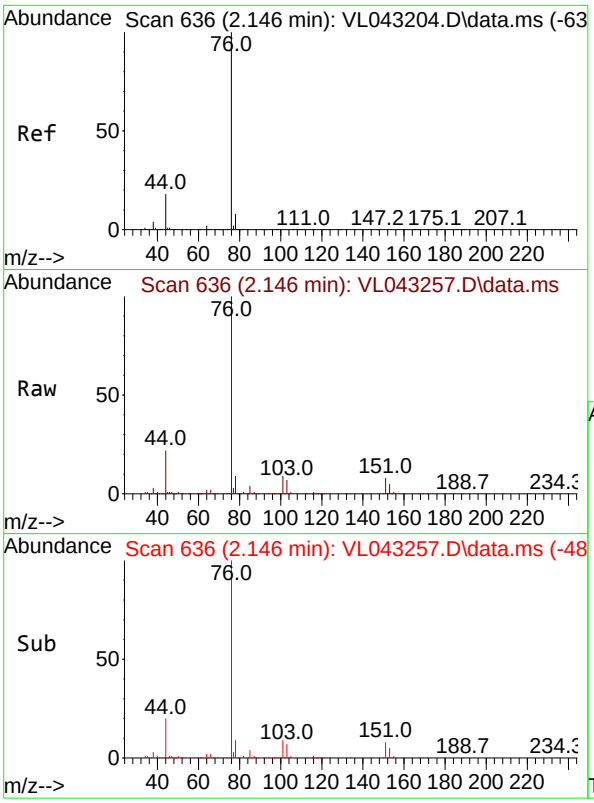


#26
Hexane
Concen: 9.630 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 57 Resp: 130004

Ion	Ratio	Lower	Upper
57	100		
41	94.0	74.6	111.8
43	220.7	179.0	268.4
56	55.6	42.3	63.5



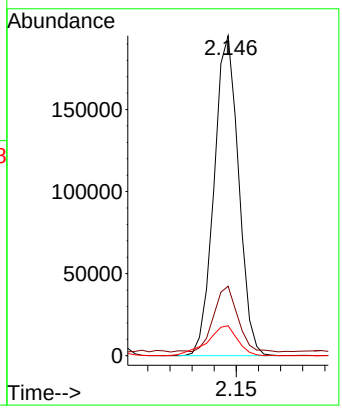


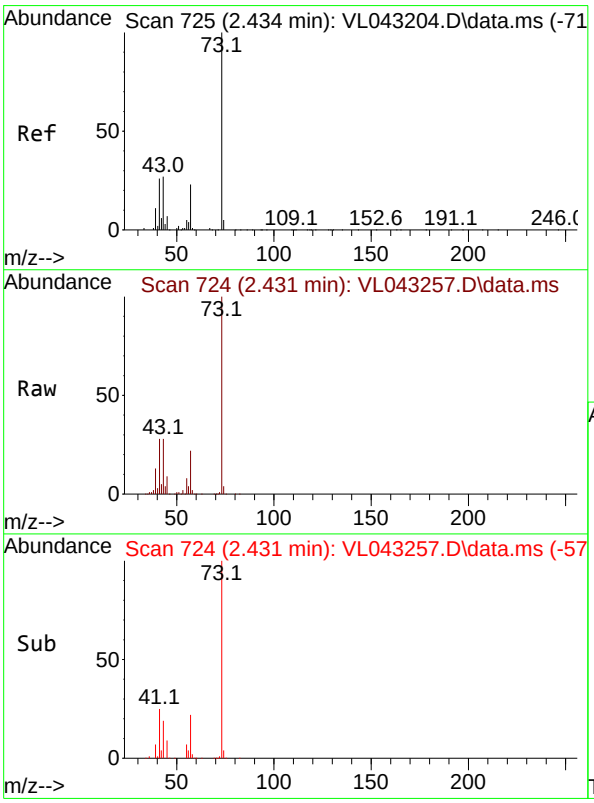
#27
Carbon Disulfide
Concen: 10.920 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 150498

Ion	Ratio	Lower	Upper
76	100		
44	20.6	16.1	24.1
78	11.4	9.6	14.4

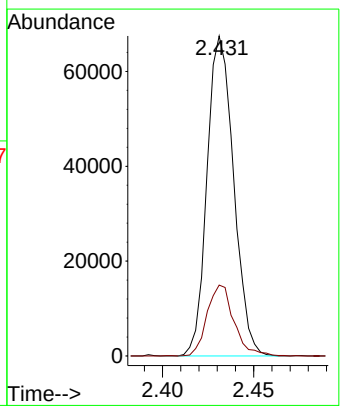


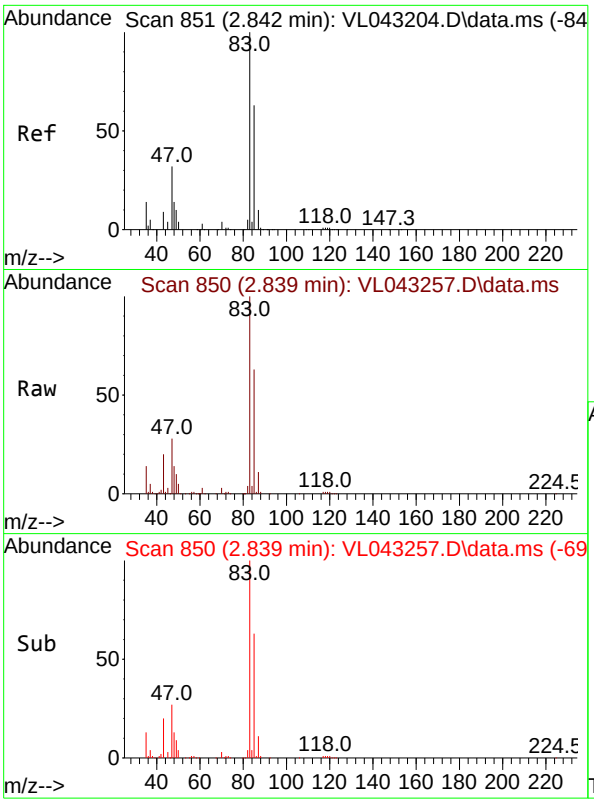


#28
Methyl tert-Butyl Ether
Concen: 10.352 ppbv
RT: 2.431 min Scan# 724
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 73 Resp: 68600

Ion	Ratio	Lower	Upper
73	100		
57	22.4	19.8	29.8



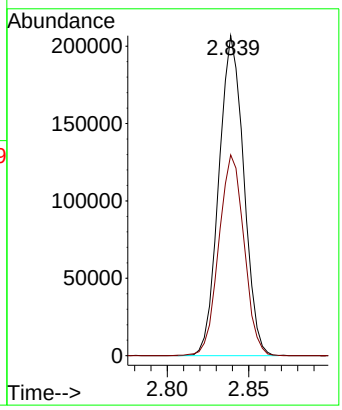


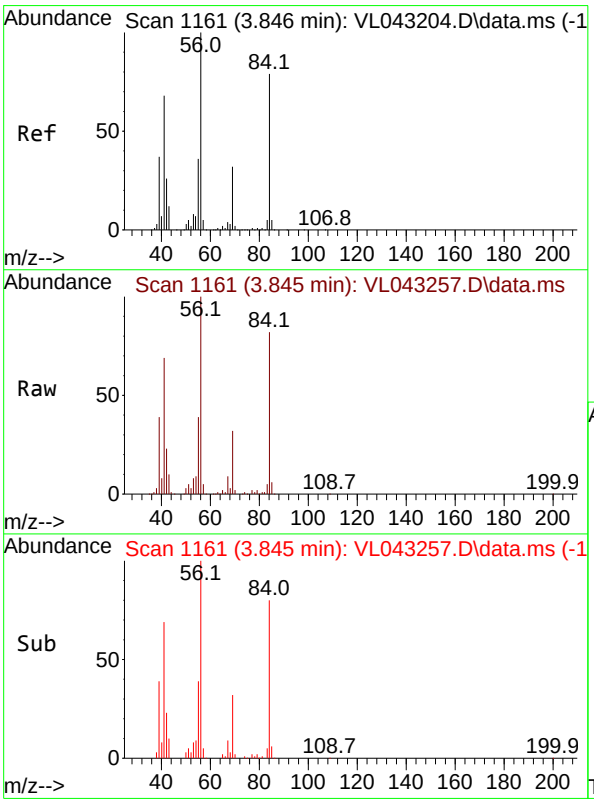
#29
Chloroform
Concen: 11.429 ppbv
RT: 2.839 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 219297

Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.5	75.7

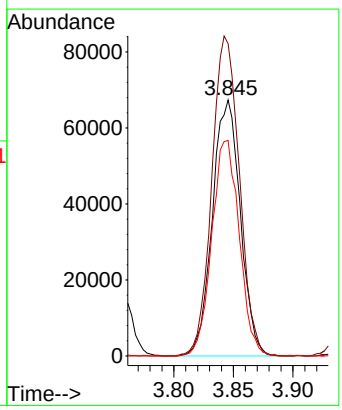


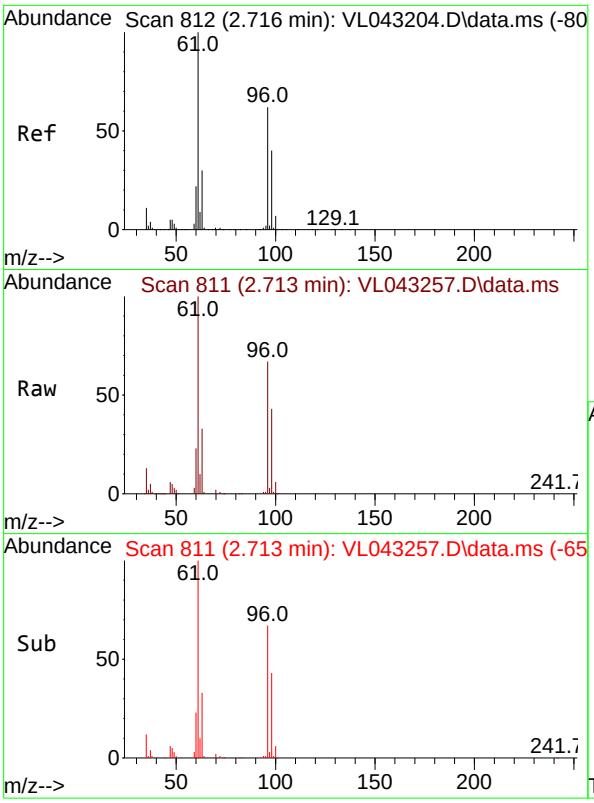


#30
Cyclohexane
Concen: 9.685 ppbv
RT: 3.845 min Scan# 1161
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 84 Resp: 109617

Ion	Ratio	Lower	Upper
84	100		
56	123.4	104.7	157.1
41	82.9	69.0	103.6



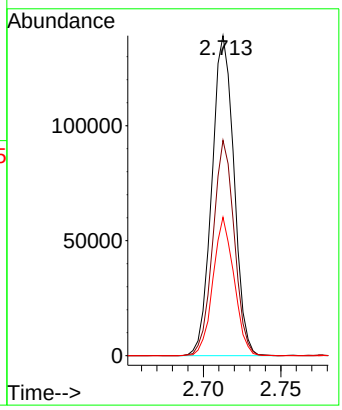


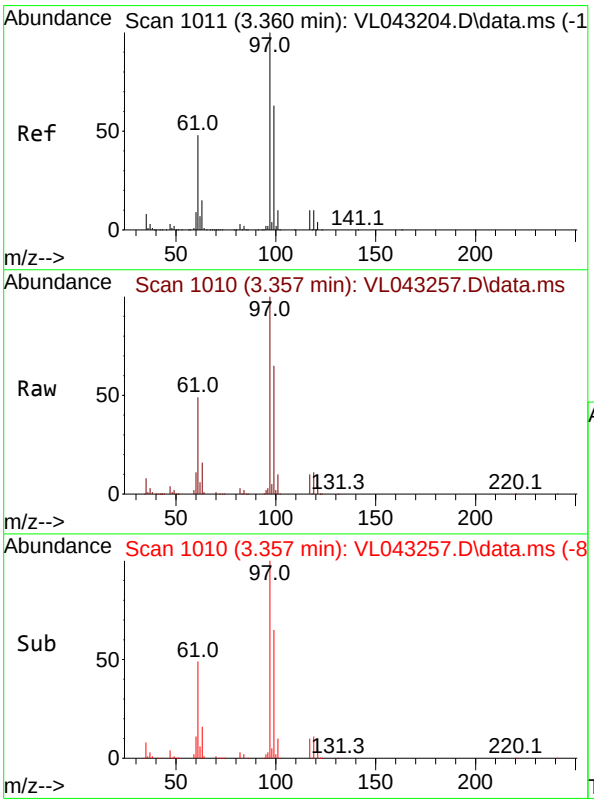
#31
cis-1,2-Dichloroethene
Concen: 10.277 ppbv
RT: 2.713 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 137895

Ion	Ratio	Lower	Upper
61	100		
96	67.3	49.3	73.9
98	43.2	32.1	48.1

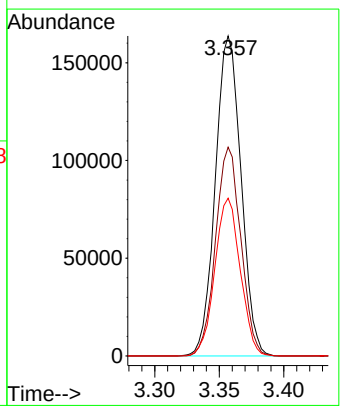


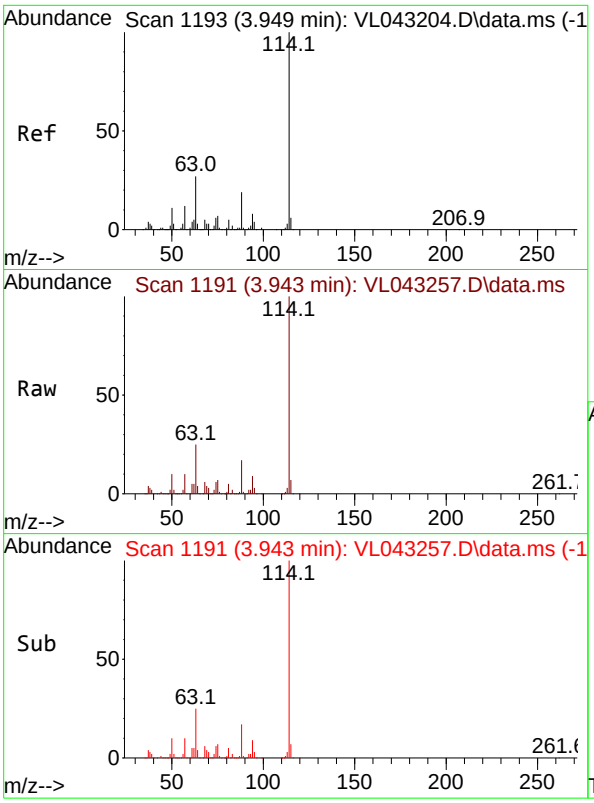


#32
1,1,1-Trichloroethane
Concen: 11.079 ppbv
RT: 3.357 min Scan# 1010
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 97 Resp: 226600

Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.3	75.5
61	48.8	38.9	58.3



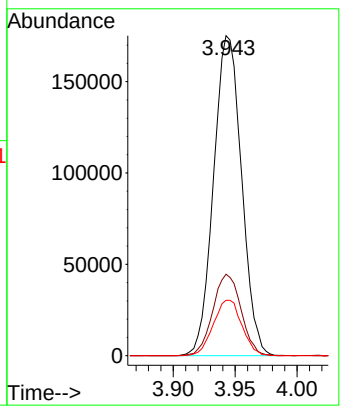


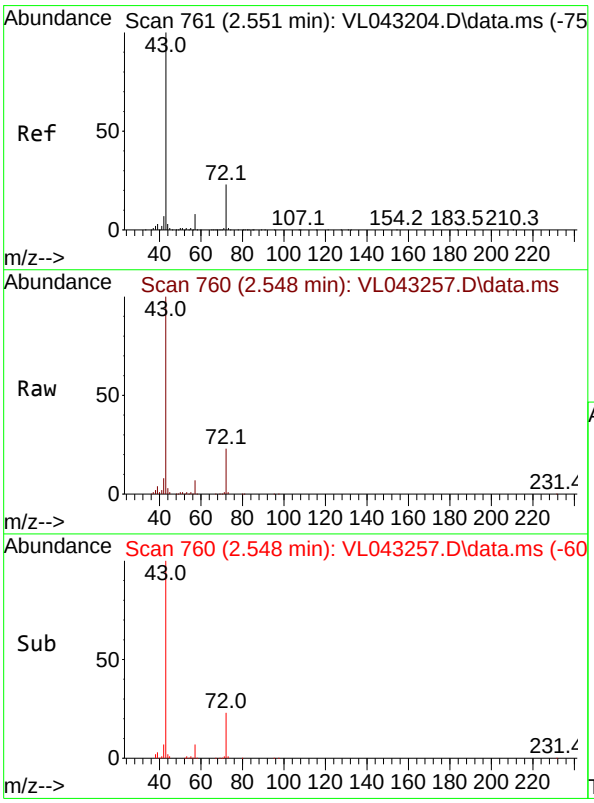
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.943 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 275595

Ion	Ratio	Lower	Upper
114	100		
63	25.7	21.0	31.6
88	17.7	14.9	22.3

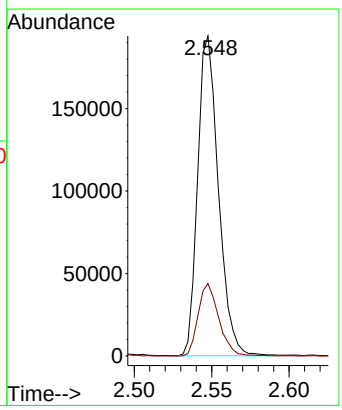


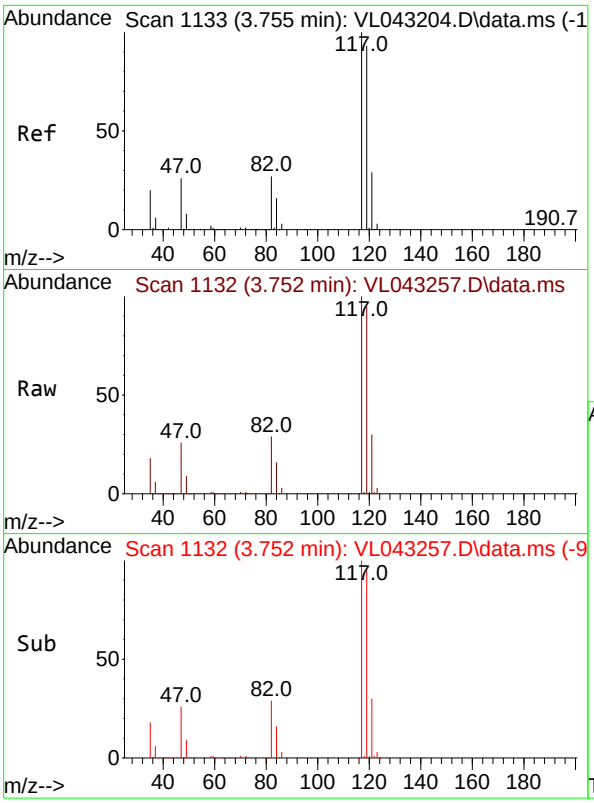


#34
2-Butanone
Concen: 9.303 ppbv
RT: 2.548 min Scan# 760
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 43 Resp: 180979

Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.1	27.1



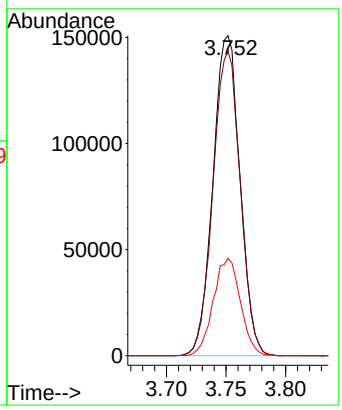


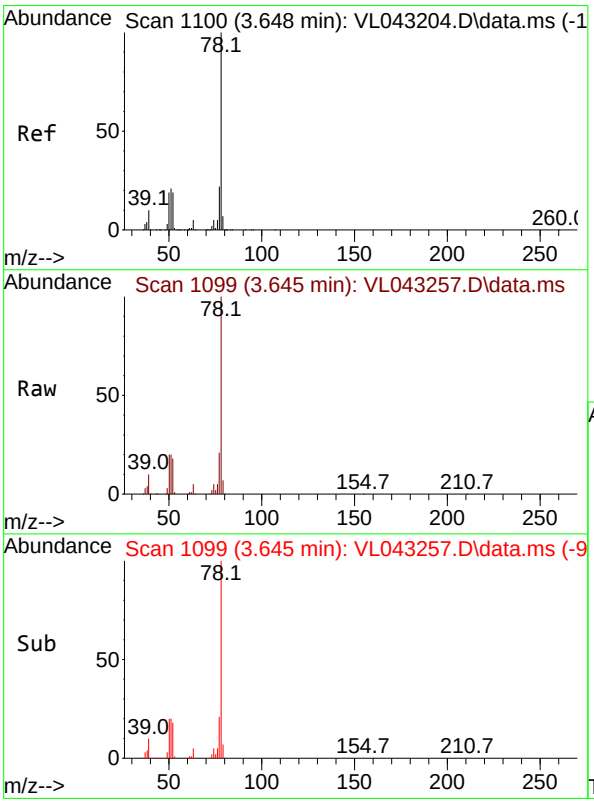
#35
Carbon Tetrachloride
Concen: 11.356 ppbv
RT: 3.752 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 237548

Ion	Ratio	Lower	Upper
117	100		
119	95.3	74.6	112.0
121	30.4	23.2	34.8

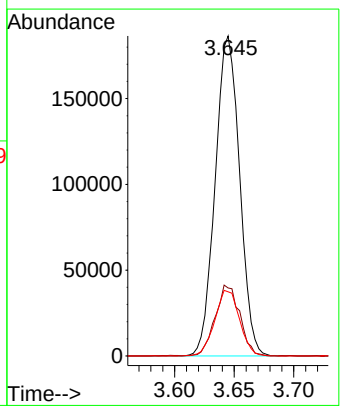


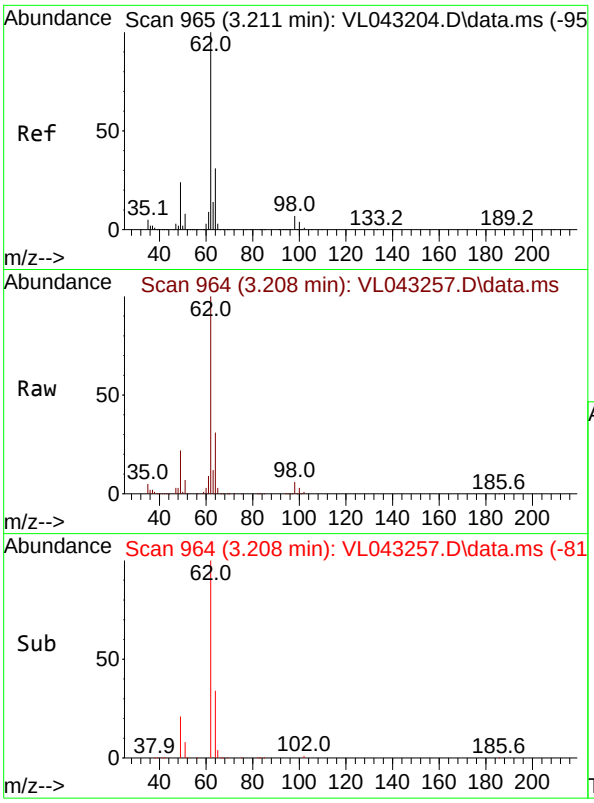


#36
Benzene
Concen: 10.078 ppbv
RT: 3.645 min Scan# 1099
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 78 Resp: 265981

Ion	Ratio	Lower	Upper
78	100		
77	21.3	17.5	26.3
50	20.0	15.5	23.3



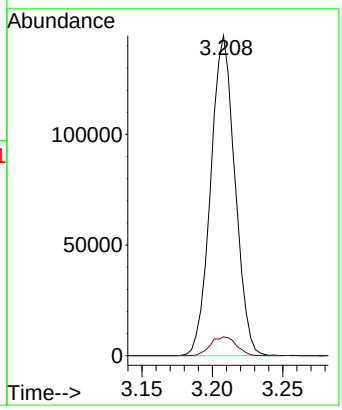


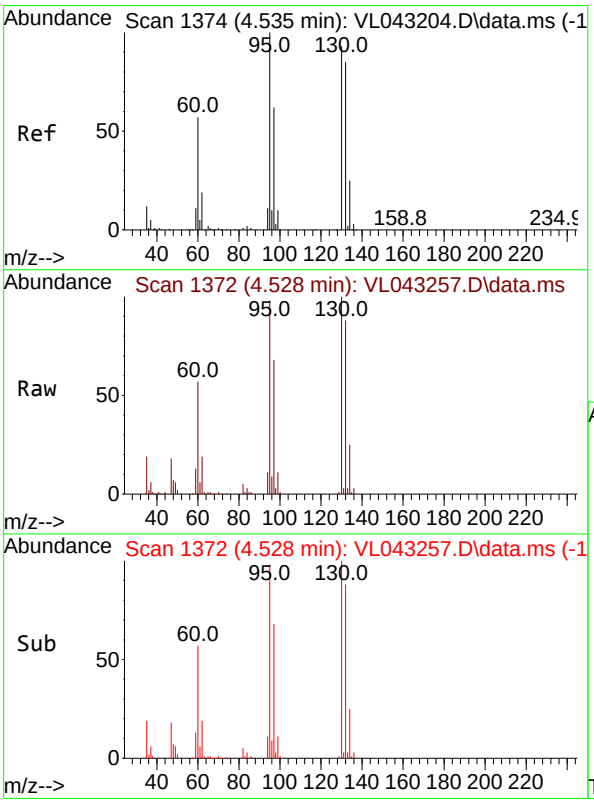
#37
1,2-Dichloroethane
Concen: 11.229 ppbv
RT: 3.208 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 173345

Ion	Ratio	Lower	Upper
62	100		
98	6.3	5.5	8.3

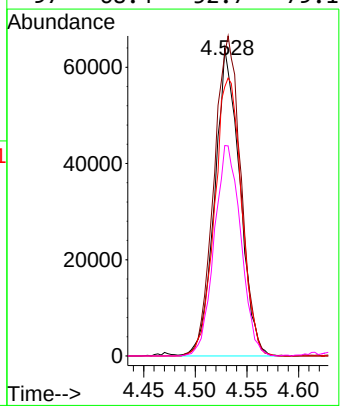


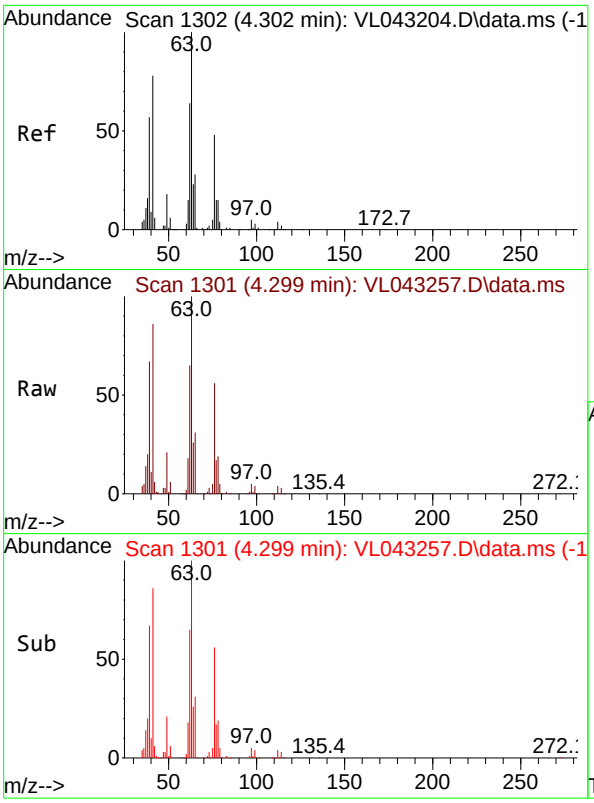


#38
Trichloroethene
Concen: 10.447 ppbv
RT: 4.528 min Scan# 1372
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:130 Resp: 107877

Ion	Ratio	Lower	Upper
130	100		
95	98.2	85.7	128.5
132	87.6	73.4	110.0
97	68.4	52.7	79.1



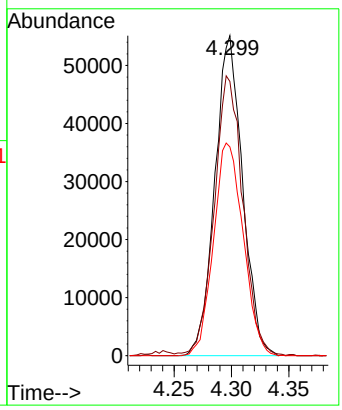


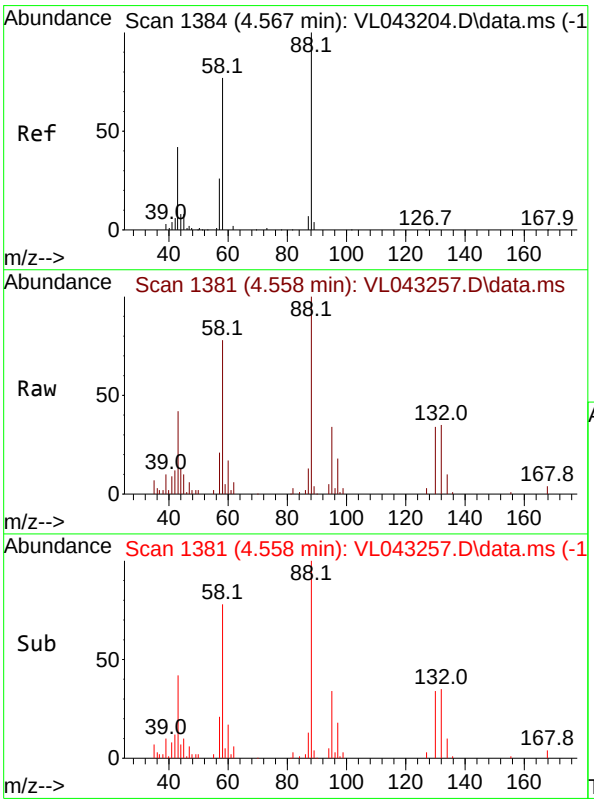
#39
1,2-Dichloropropane
Concen: 9.571 ppbv
RT: 4.299 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 63 Resp: 92453

Ion	Ratio	Lower	Upper
63	100		
41	84.9	62.6	93.8
62	65.3	51.0	76.6

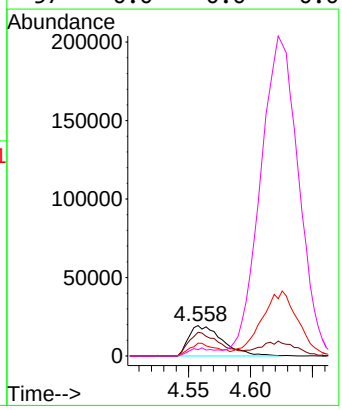


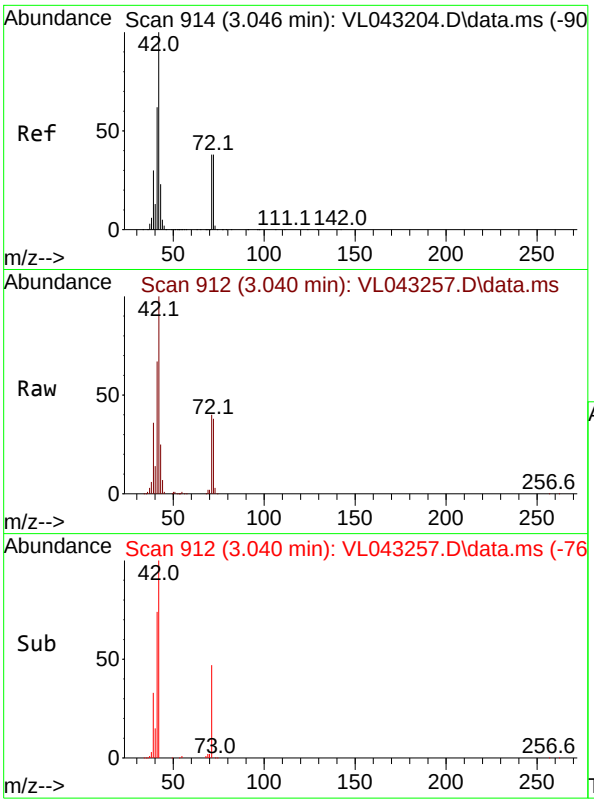


#40
1,4-Dioxane
Concen: 8.418 ppbv
RT: 4.558 min Scan# 1381
Delta R.T. -0.010 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 88 Resp: 36555

Ion	Ratio	Lower	Upper
88	100		
58	71.5	63.0	94.6
43	35.1	32.5	48.7
57	0.0	0.0	0.0



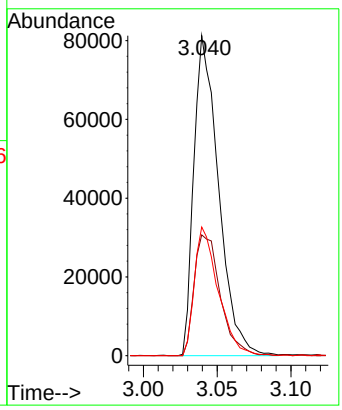


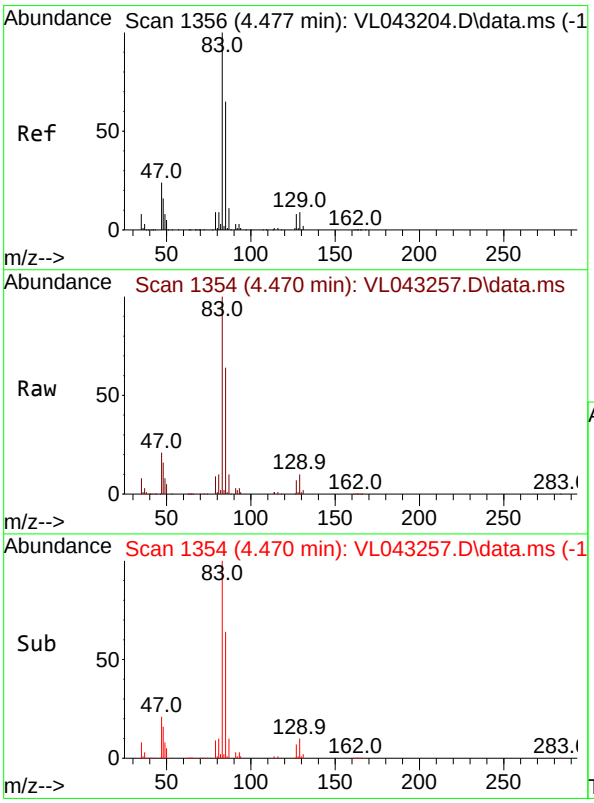
#41
Tetrahydrofuran
Concen: 8.822 ppbv
RT: 3.040 min Scan# 9
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 94776

Ion	Ratio	Lower	Upper
42	100		
72	39.9	30.6	46.0
71	39.0	30.5	45.7

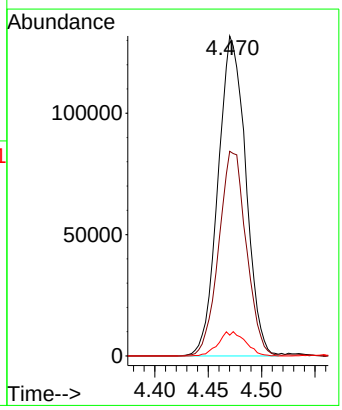


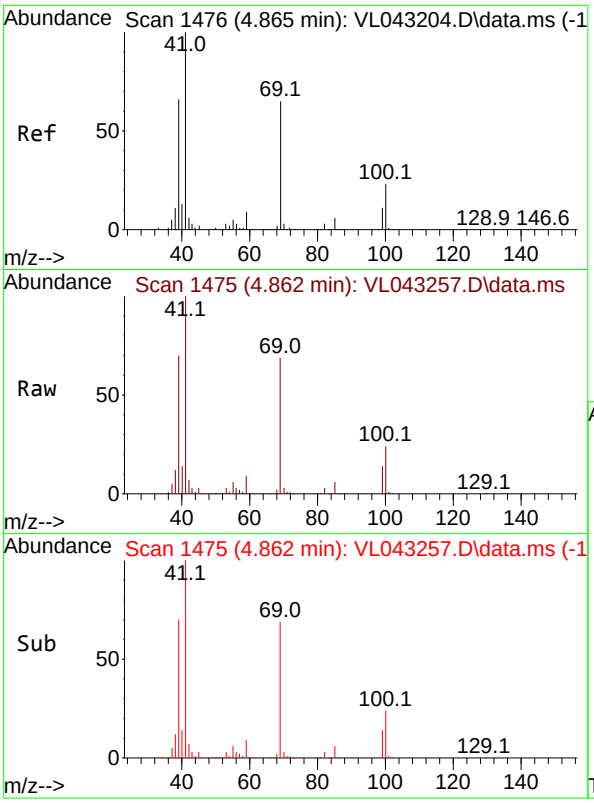


#42
Bromodichloromethane
Concen: 11.152 ppbv
RT: 4.470 min Scan# 1354
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 83 Resp: 237498

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.7	77.5
127	6.5	6.3	9.5



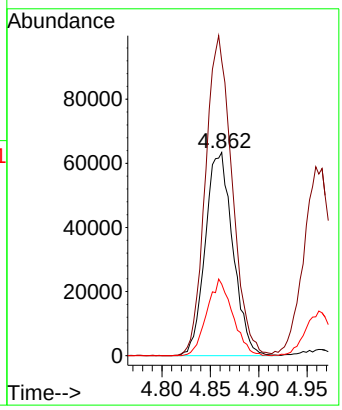


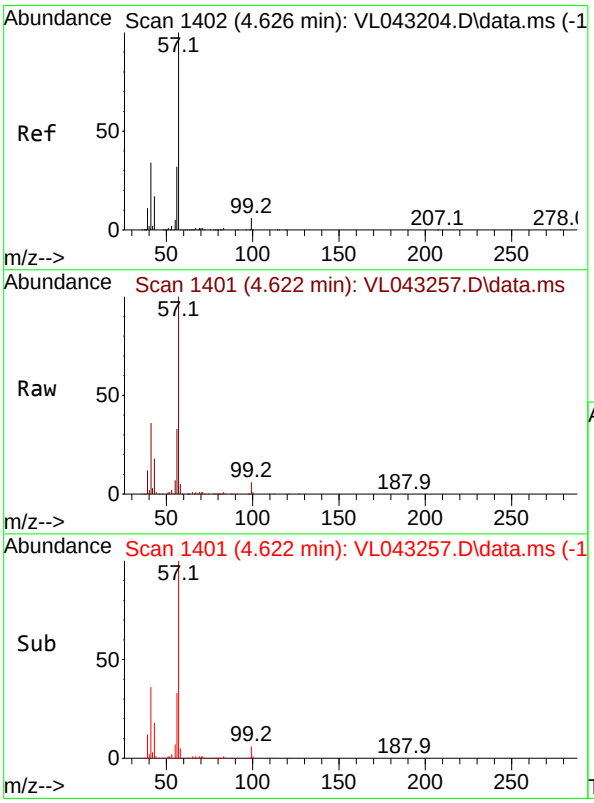
#43
Methyl Methacrylate
Concen: 8.957 ppbv
RT: 4.862 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 125480

Ion	Ratio	Lower	Upper
69	100		
41	152.5	126.7	190.1
100	35.4	28.6	43.0

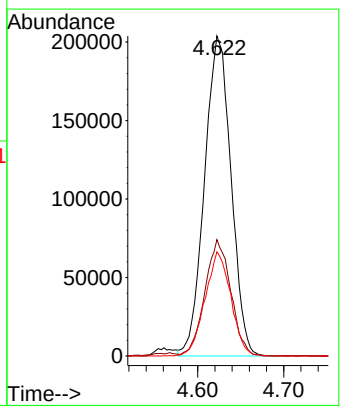


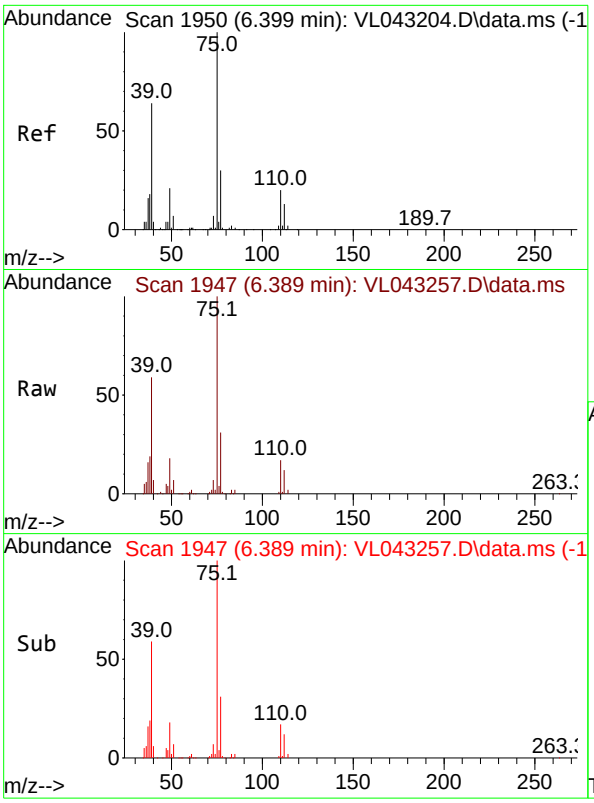


#44
2,2,4-Trimethylpentane
Concen: 9.643 ppbv
RT: 4.622 min Scan# 1401
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 57 Resp: 437108

Ion	Ratio	Lower	Upper
57	100		
41	36.3	28.0	42.0
56	31.7	25.6	38.4



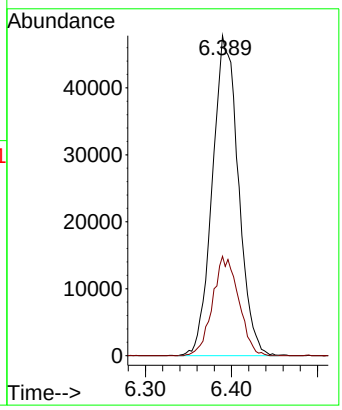


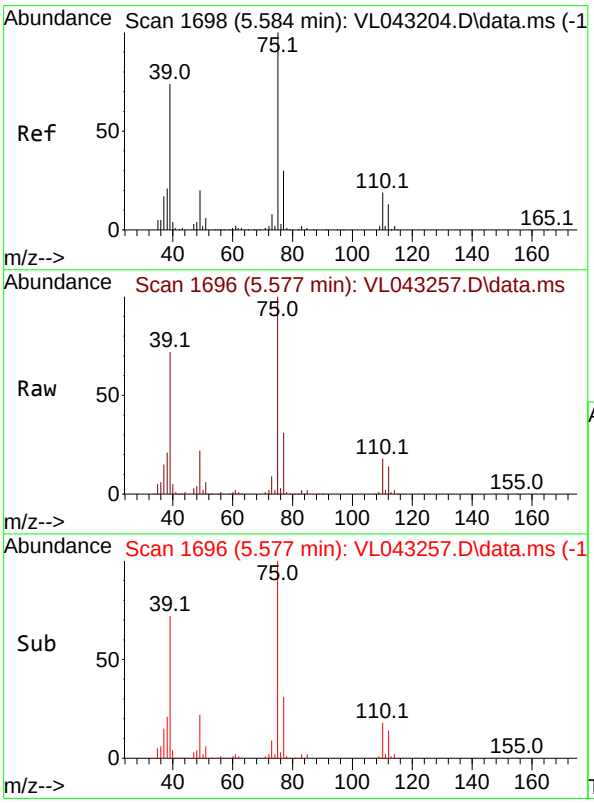
#45
t-1,3-Dichloropropene
Concen: 7.675 ppbv
RT: 6.389 min Scan# 1
Delta R.T. -0.010 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 100231

Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.3	36.5

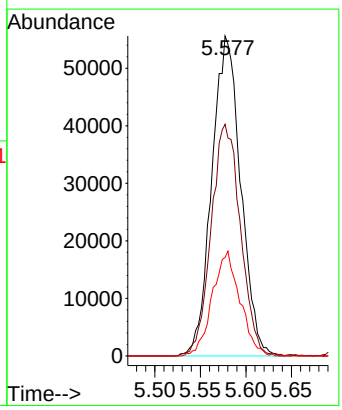


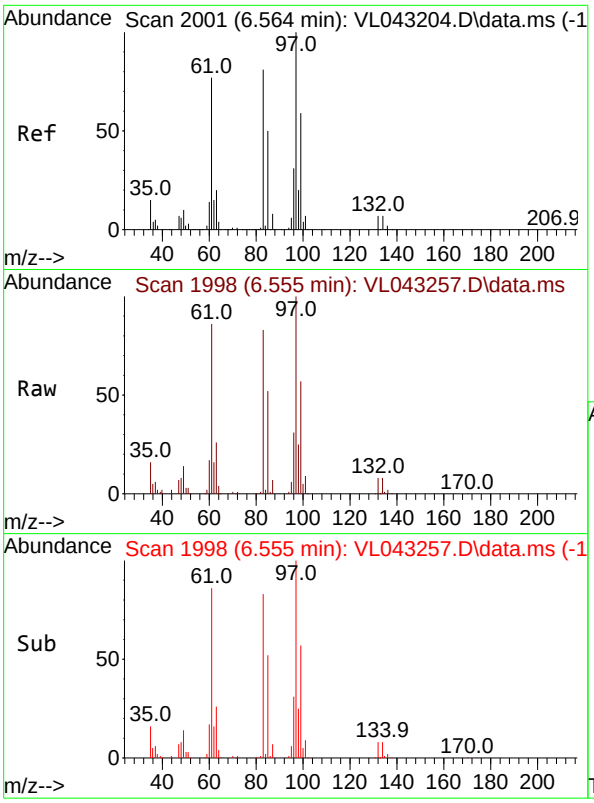


#46
cis-1,3-Dichloropropene
Concen: 7.989 ppbv
RT: 5.577 min Scan# 1696
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 75 Resp: 122504

Ion	Ratio	Lower	Upper
75	100		
39	72.3	59.1	88.7
77	30.8	24.2	36.2



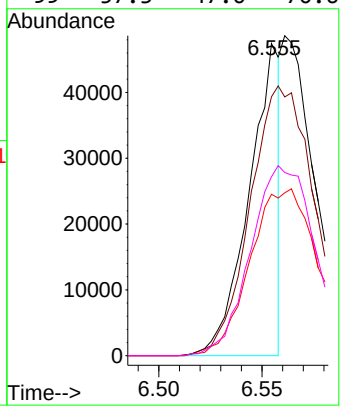


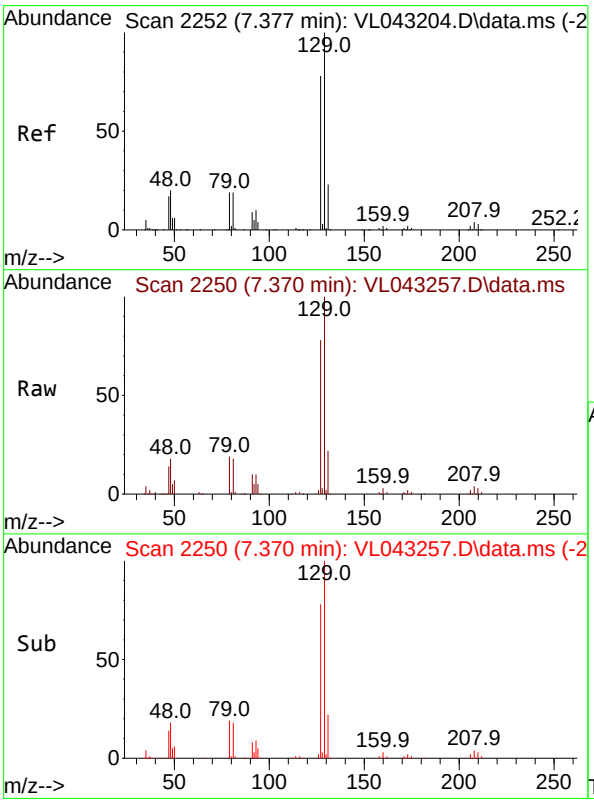
#47
1,1,2-Trichloroethane
Concen: 4.782 ppbv
RT: 6.555 min Scan# 1
Delta R.T. -0.010 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 49025

Ion	Ratio	Lower	Upper
97	100		
83	82.9	64.6	97.0
85	51.7	39.4	59.2
99	57.3	47.0	70.6

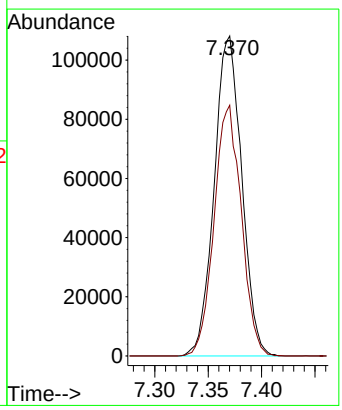


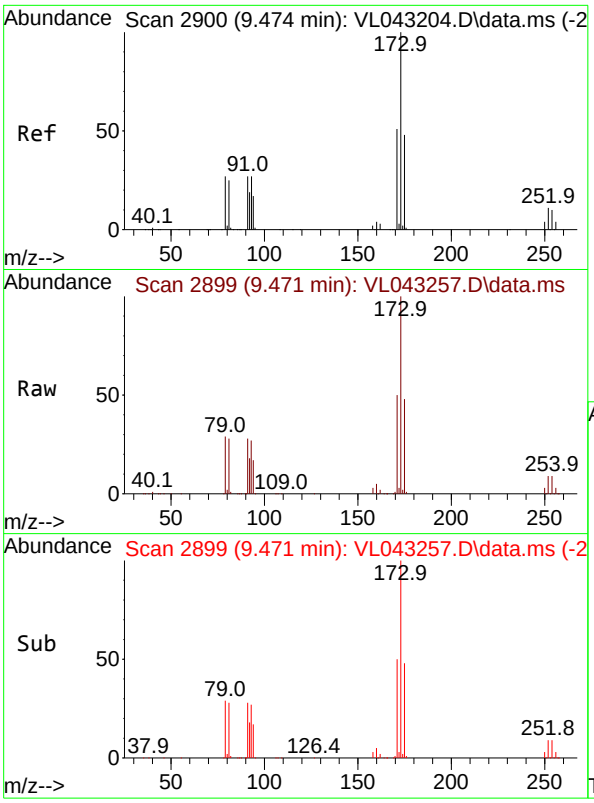


#48
Dibromochloromethane
Concen: 10.997 ppbv
RT: 7.370 min Scan# 2250
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:129 Resp: 193819

Ion	Ratio	Lower	Upper
129	100		
127	77.4	39.3	117.9



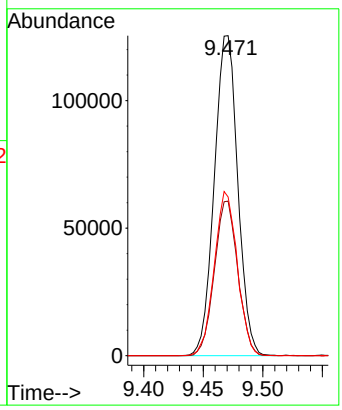


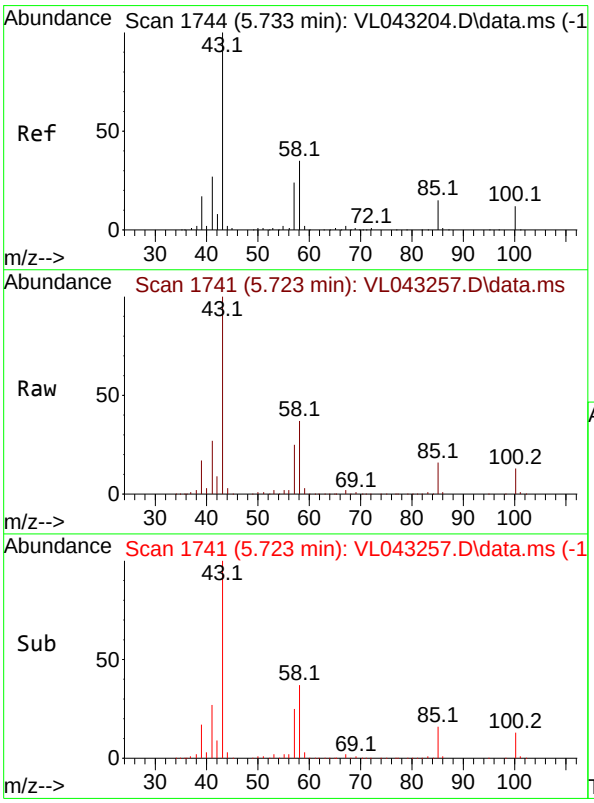
#49
Bromoform
Concen: 10.994 ppbv
RT: 9.471 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 171644

Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.6	58.0
171	50.3	40.6	61.0

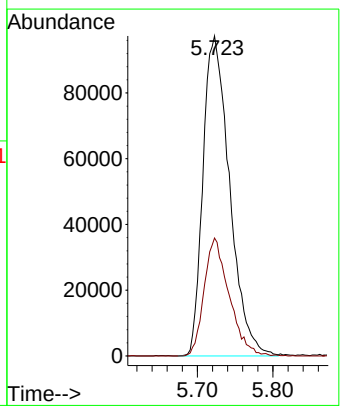


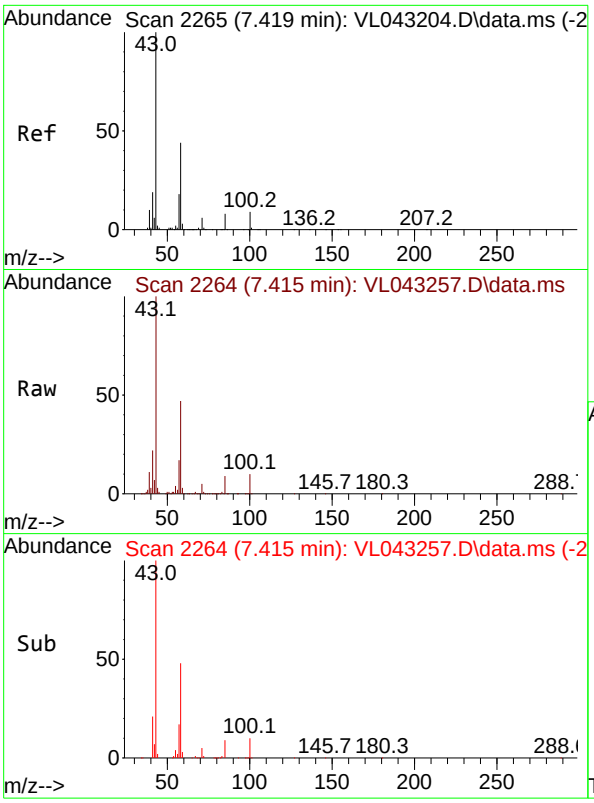


#50
4-Methyl-2-Pentanone
Concen: 8.688 ppbv
RT: 5.723 min Scan# 1741
Delta R.T. -0.010 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 43 Resp: 238084

Ion	Ratio	Lower	Upper
43	100		
58	34.7	28.4	42.6



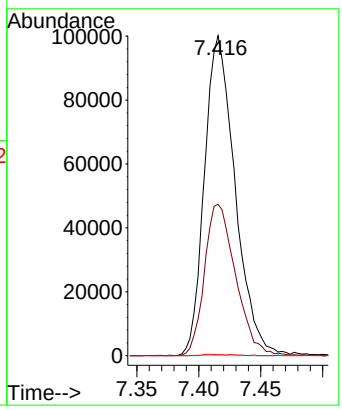


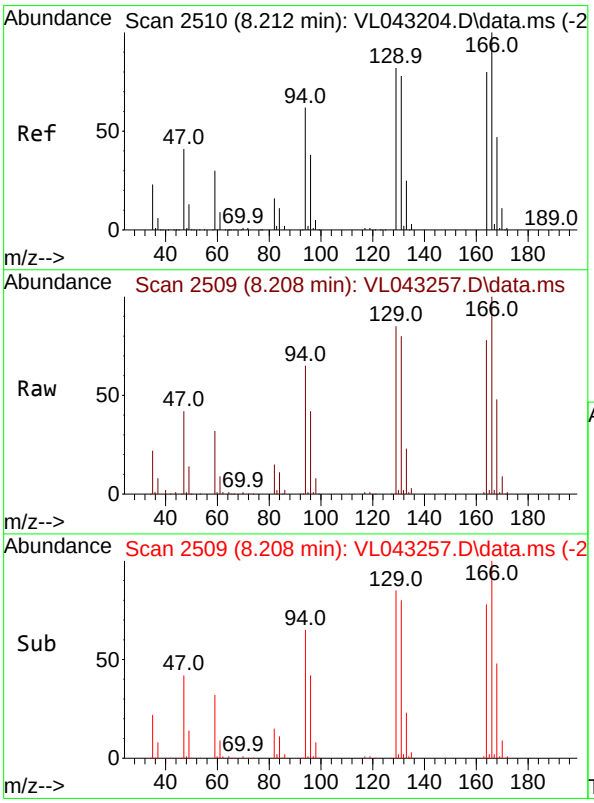
#51
2-Hexanone
Concen: 8.097 ppbv
RT: 7.415 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 172317

Ion	Ratio	Lower	Upper
43	100		
58	48.3	38.4	57.6
98	0.4	0.0	0.0#

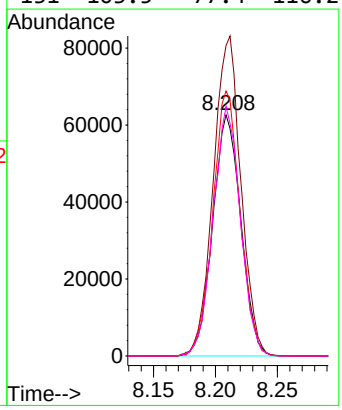


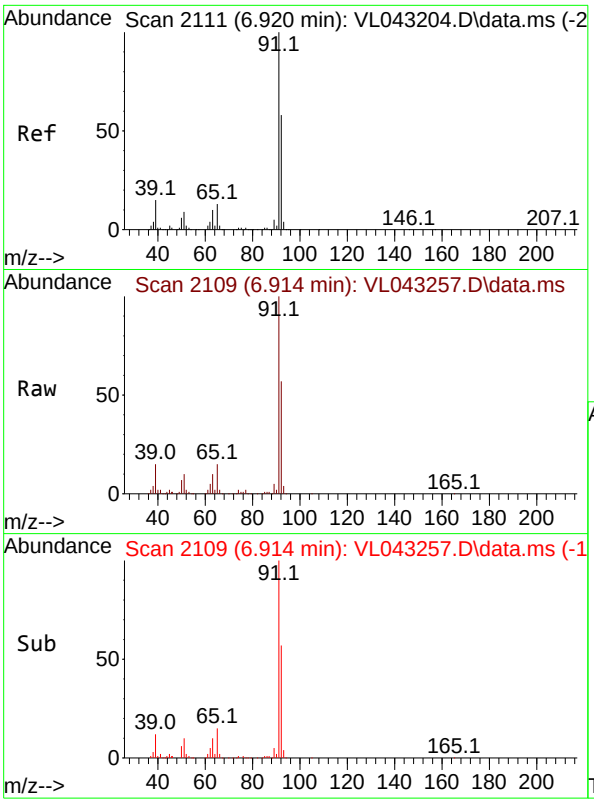


#52
Tetrachloroethene
Concen: 10.097 ppbv
RT: 8.208 min Scan# 2509
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:164 Resp: 99129

Ion	Ratio	Lower	Upper
164	100		
166	128.8	99.4	149.2
129	109.9	81.8	122.8
131	103.5	77.4	116.2



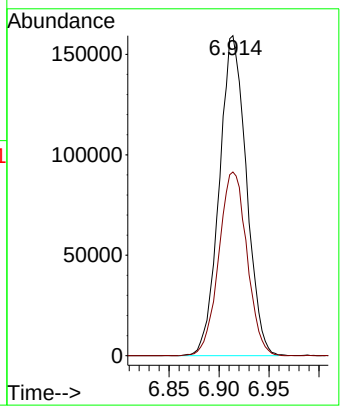


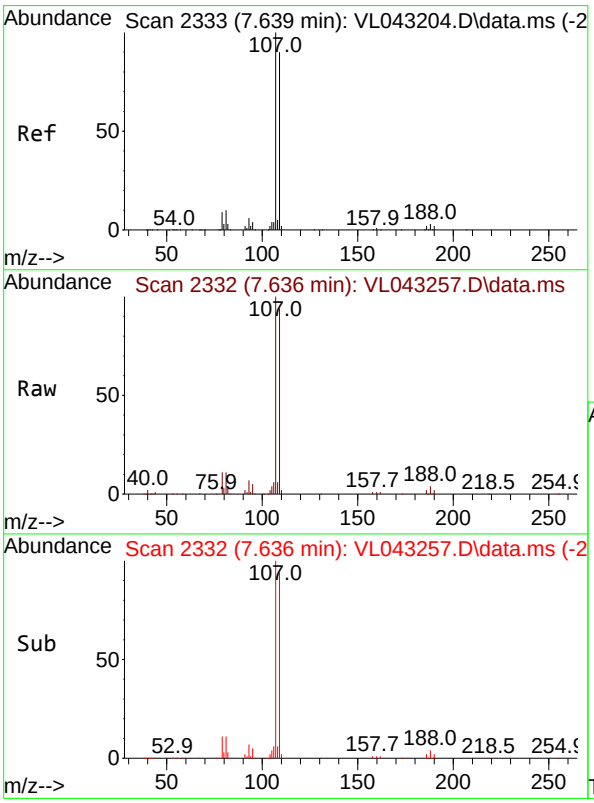
#53
Toluene
Concen: 9.604 ppbv
RT: 6.914 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 300158

Ion	Ratio	Lower	Upper
91	100		
92	59.7	47.4	71.0

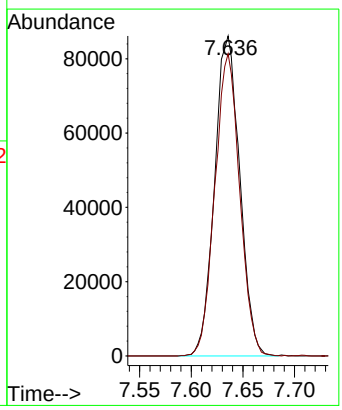


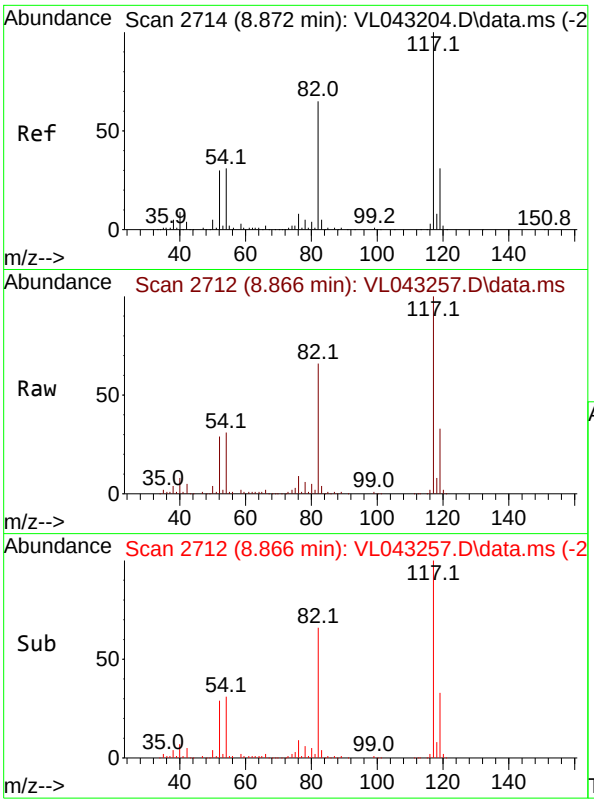


#54
1,2-Dibromoethane
Concen: 9.684 ppbv
RT: 7.636 min Scan# 2332
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:107 Resp: 146099

Ion	Ratio	Lower	Upper
107	100		
109	94.4	72.1	108.1



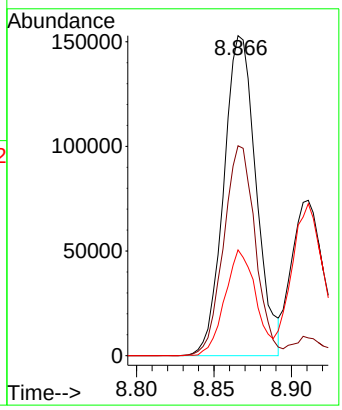


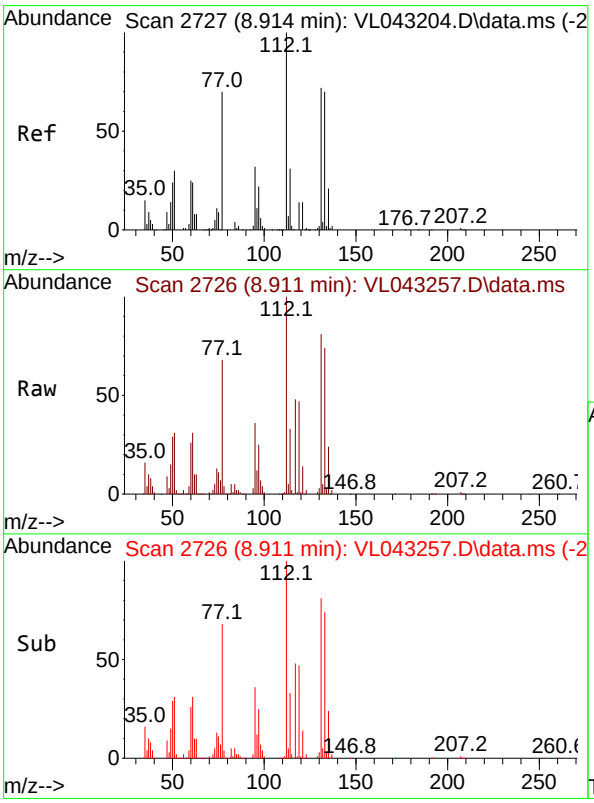
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.866 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 222776

Ion	Ratio	Lower	Upper
117	100		
82	65.1	56.1	84.1
119	32.7	25.0	37.6

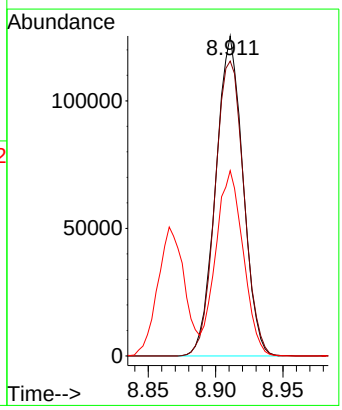


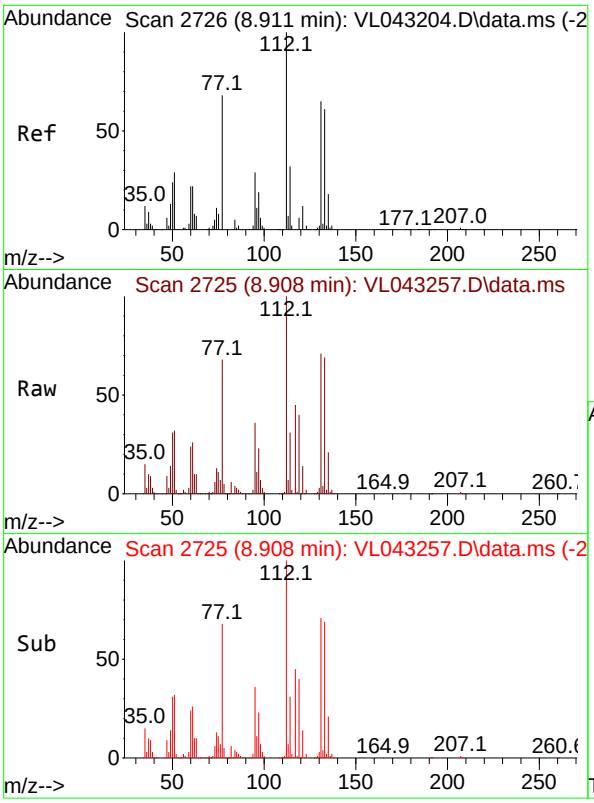


#56
1,1,1,2-Tetrachloroethane
Concen: 10.787 ppbv
RT: 8.911 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:131 Resp: 176606

Ion	Ratio	Lower	Upper
131	100		
133	97.5	77.4	116.2
119	59.3	49.1	73.7



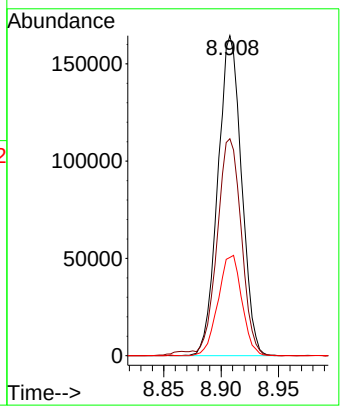


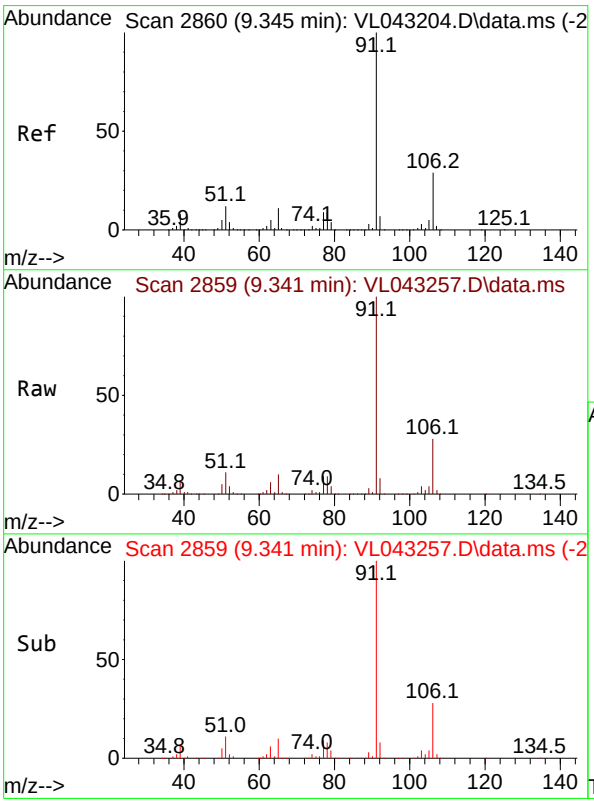
#57
Chlorobenzene
Concen: 10.333 ppbv
RT: 8.908 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 236347

Ion	Ratio	Lower	Upper
112	100		
77	67.8	55.5	83.3
114	30.7	29.1	35.5

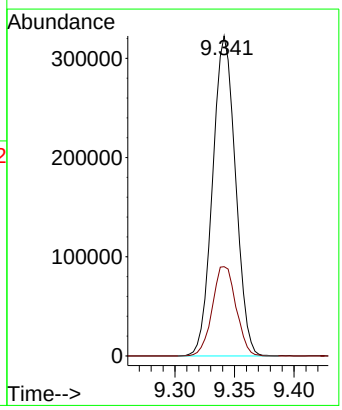


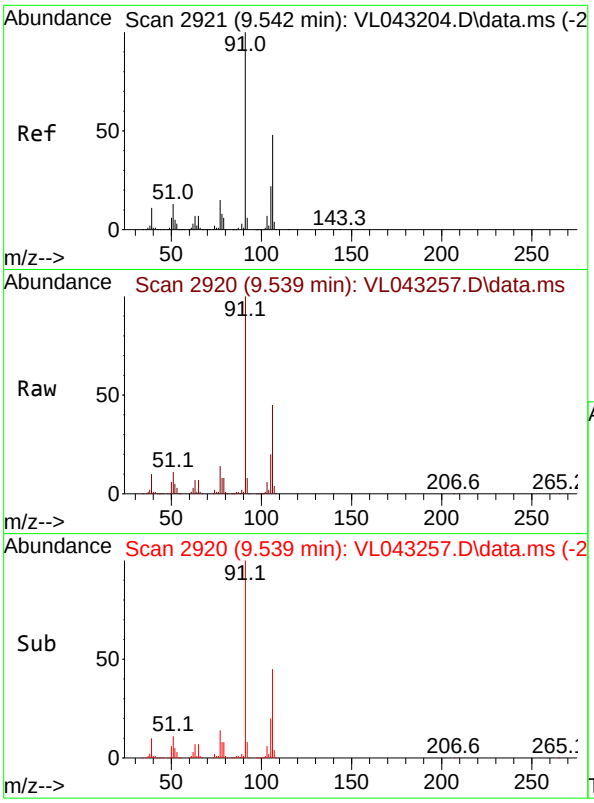


#58
Ethyl Benzene
Concen: 10.037 ppbv
RT: 9.341 min Scan# 2859
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 91 Resp: 430385

Ion	Ratio	Lower	Upper
91	100		
106	27.9	22.8	34.2



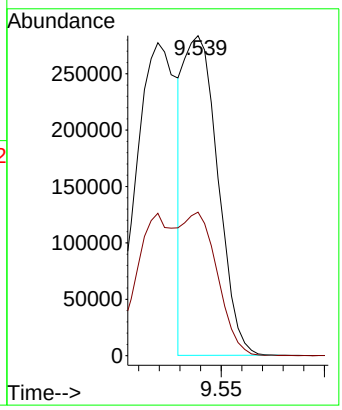


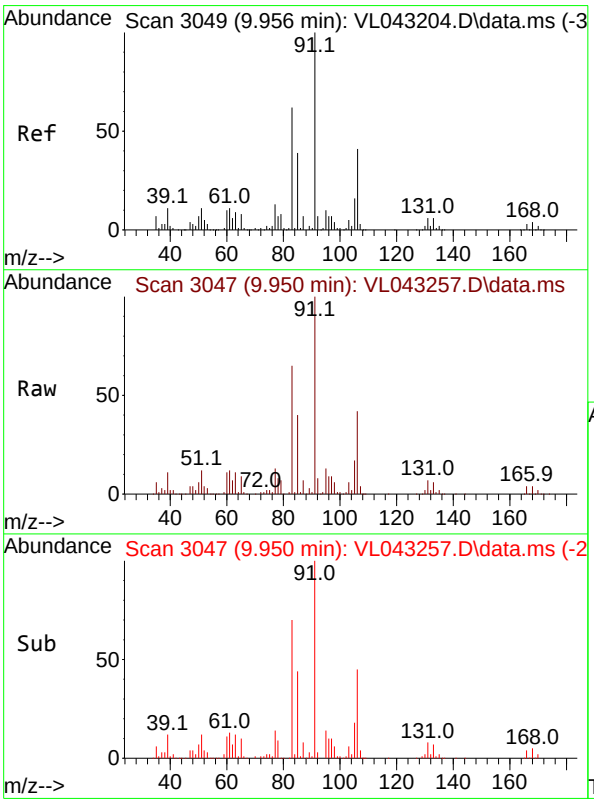
#59
m/p-Xylene
Concen: 9.459 ppbv
RT: 9.539 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 325160

Ion	Ratio	Lower	Upper
91	100		
106	96.7	36.1	54.1#

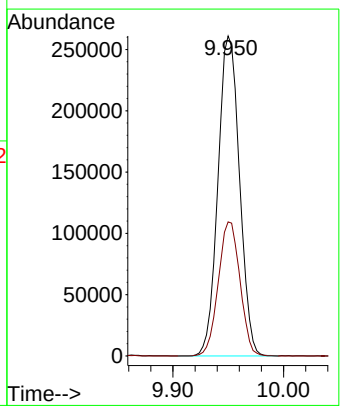


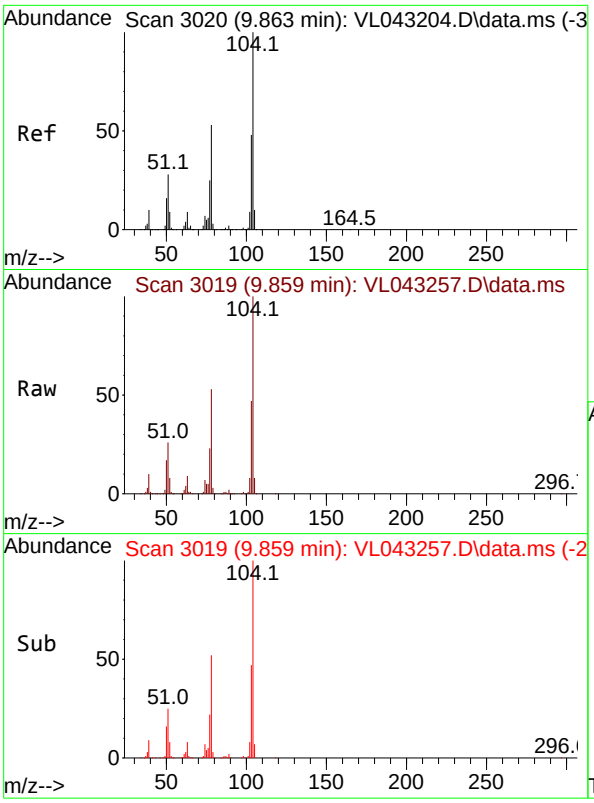


#60
o-Xylene
Concen: 10.284 ppbv
RT: 9.950 min Scan# 3047
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 91 Resp: 353166

Ion	Ratio	Lower	Upper
91	100		
106	42.1	20.9	62.8



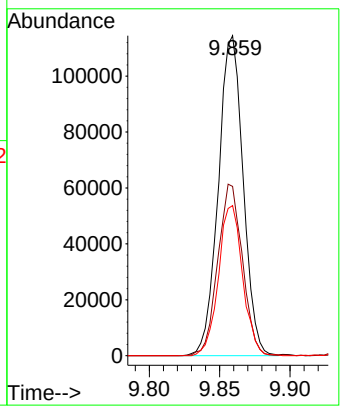


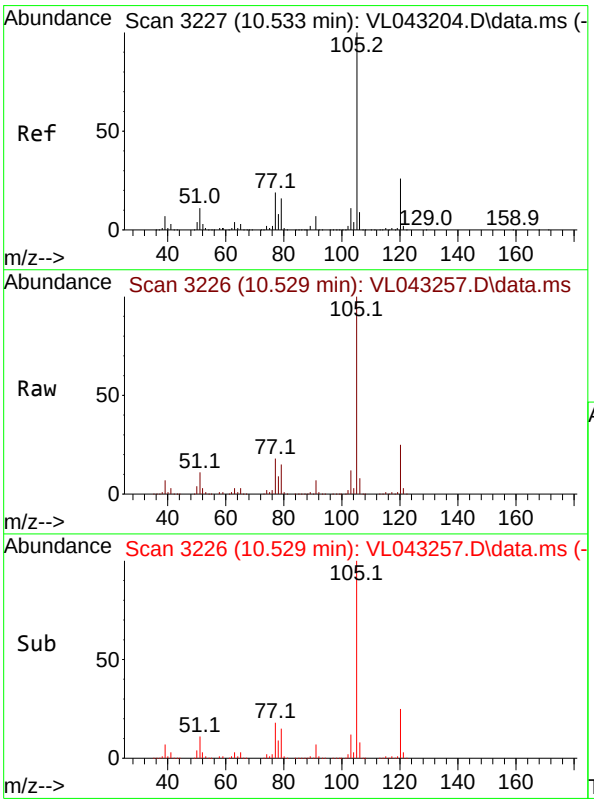
#61
Styrene
Concen: 9.353 ppbv
RT: 9.859 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 140574

Ion	Ratio	Lower	Upper
104	100		
78	53.2	42.1	63.1
103	45.7	37.2	55.8

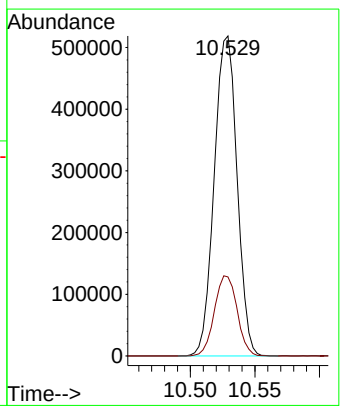


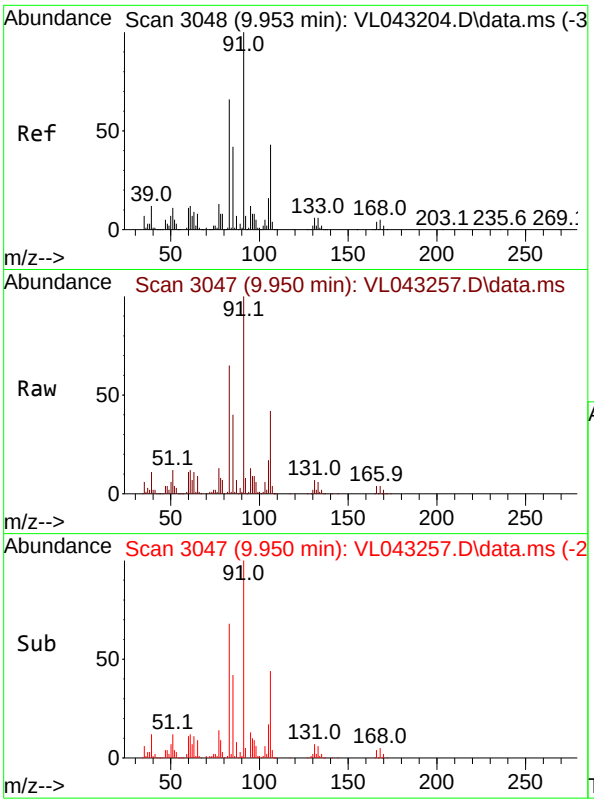


#62
Isopropylbenzene
Concen: 10.379 ppbv
RT: 10.529 min Scan# 3226
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:105 Resp: 637682

Ion	Ratio	Lower	Upper
105	100		
120	24.9	19.8	29.8



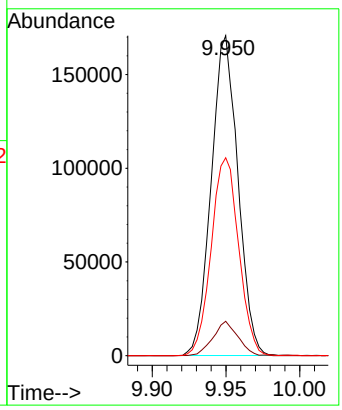


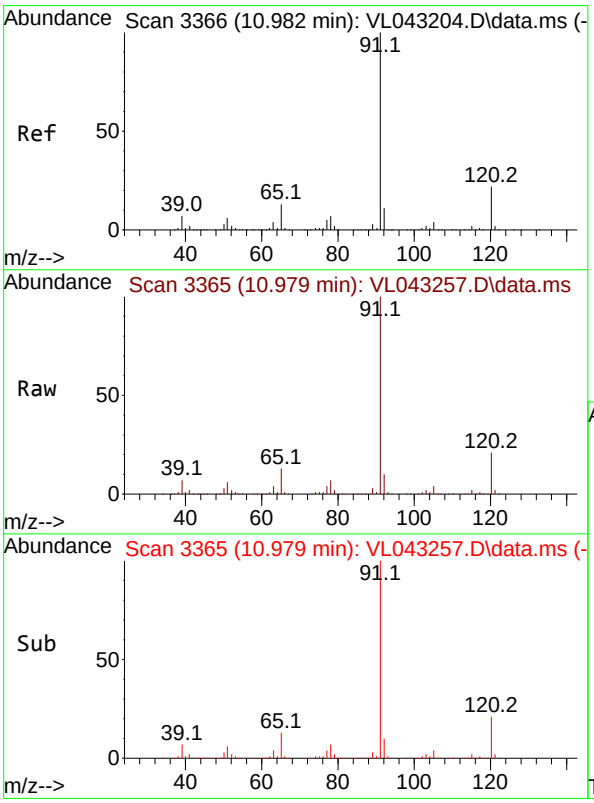
#63
1,1,2,2-Tetrachloroethane
Concen: 9.817 ppbv
RT: 9.950 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 214523

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.8	14.3
85	63.9	31.9	95.9

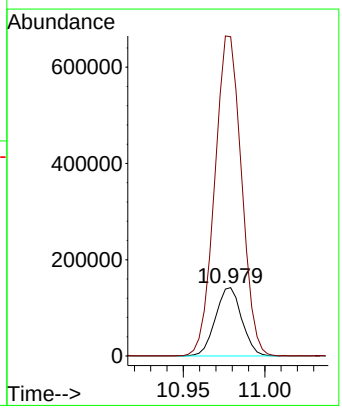


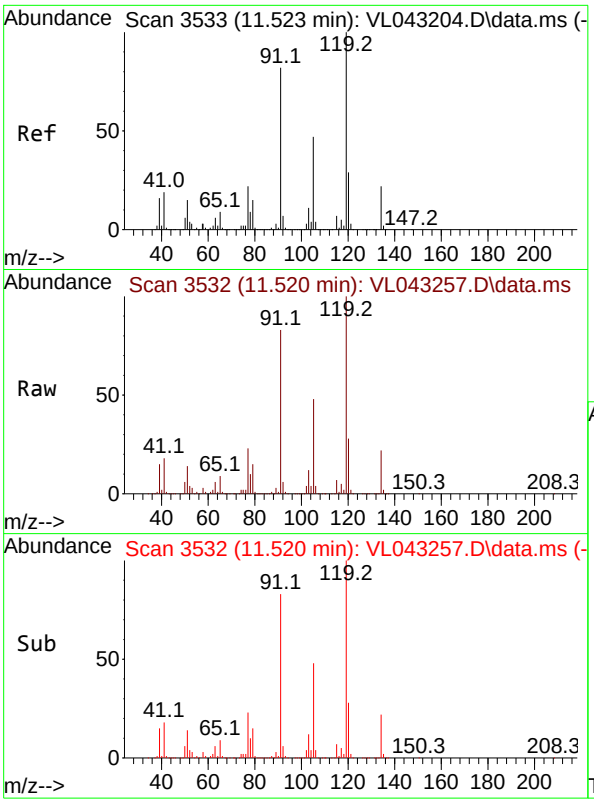


#64
n-propylbenzene
Concen: 10.052 ppbv
RT: 10.979 min Scan# 3365
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:120 Resp: 158685

Ion	Ratio	Lower	Upper
120	100		
91	479.0	377.1	565.7



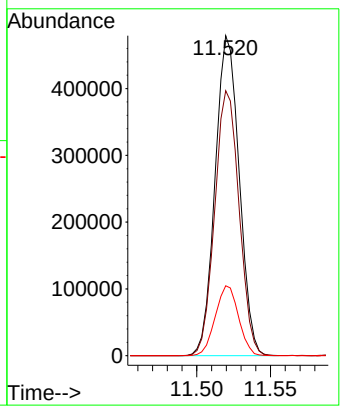


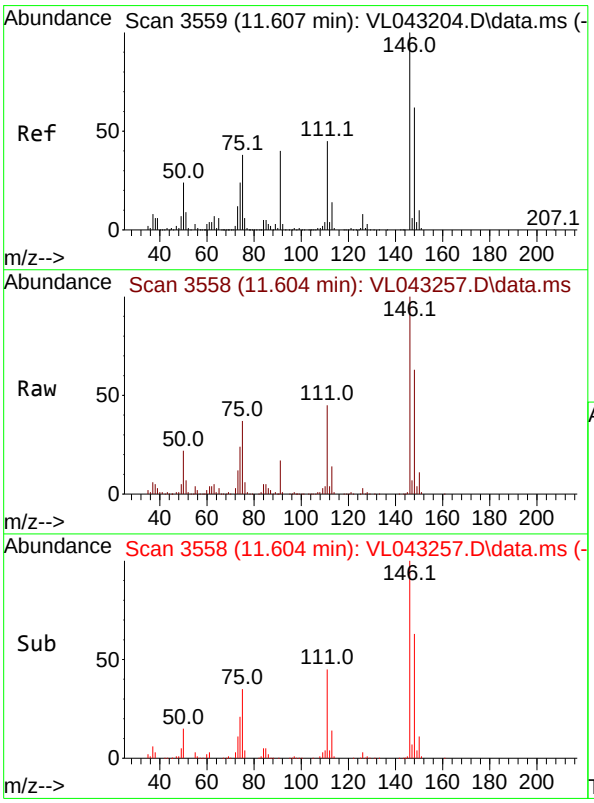
#65
tert-Butylbenzene
Concen: 9.932 ppbv
RT: 11.520 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 544959

Ion	Ratio	Lower	Upper
119	100		
91	83.7	65.3	97.9
134	21.1	17.0	25.4

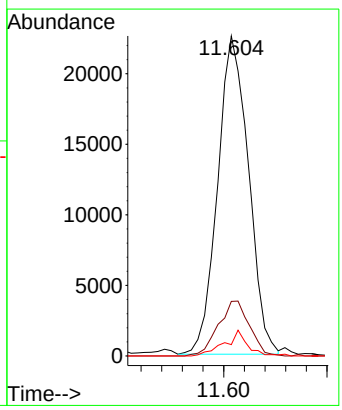


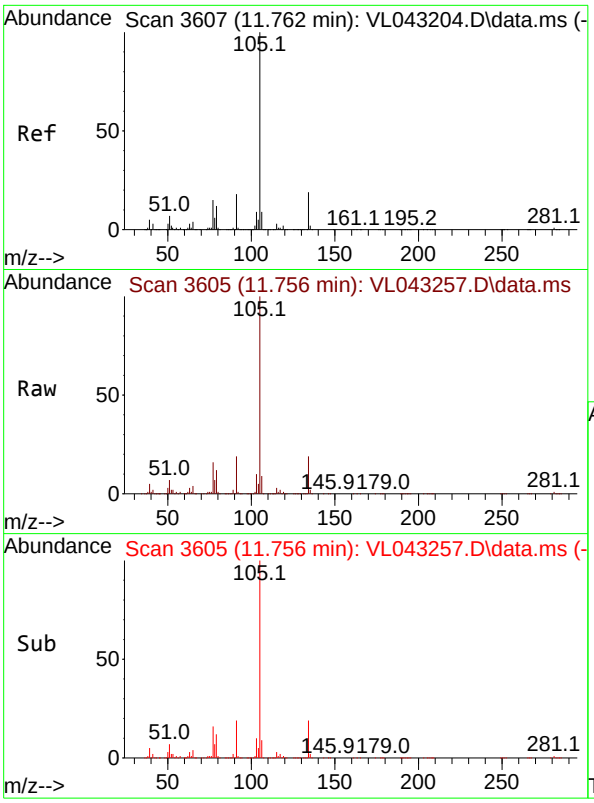


#66
Benzyl Chloride
Concen: 4.210 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 91 Resp: 23441

Ion	Ratio	Lower	Upper
91	100		
126	17.5	14.4	21.6
128	6.0	4.6	6.8



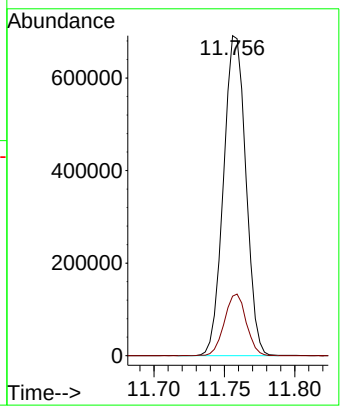


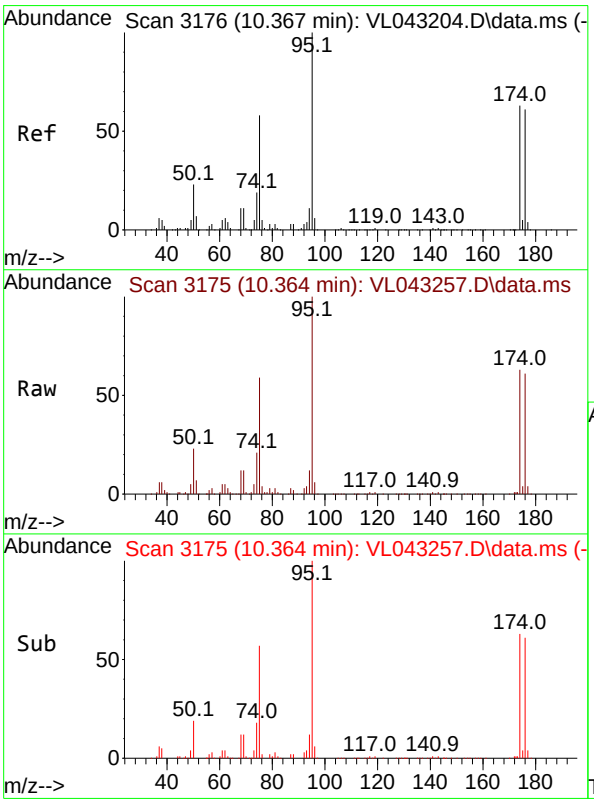
#67
sec-Butylbenzene
Concen: 9.982 ppbv
RT: 11.756 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 764527

Ion	Ratio	Lower	Upper
105	100		
134	18.8	15.0	22.6

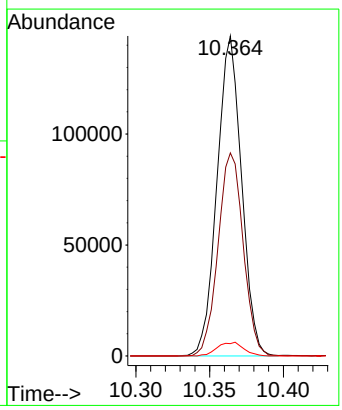


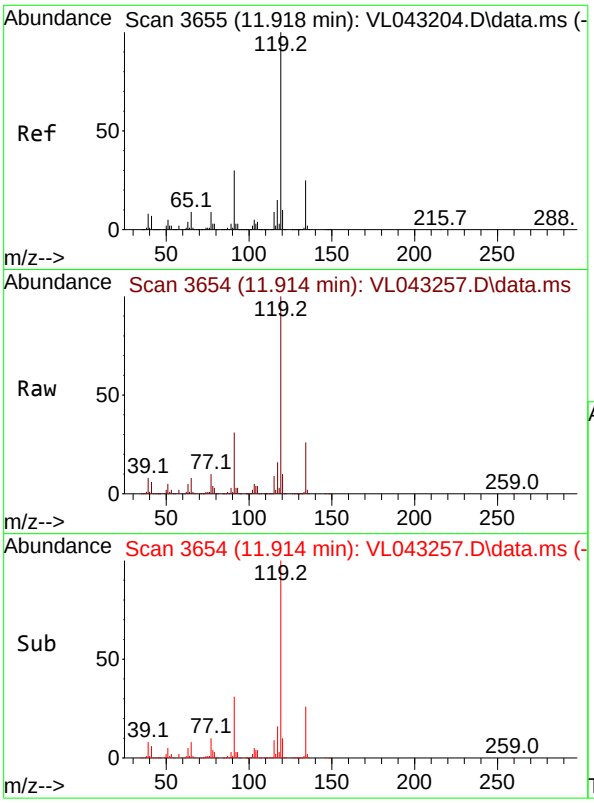


#68
1-Bromo-4-Fluorobenzene
Concen: 10.198 ppbv
RT: 10.364 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 95 Resp: 166532

Ion	Ratio	Lower	Upper
95	100		
174	65.2	50.2	75.2
175	4.6	4.1	6.1



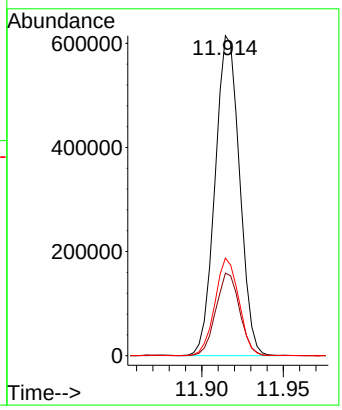


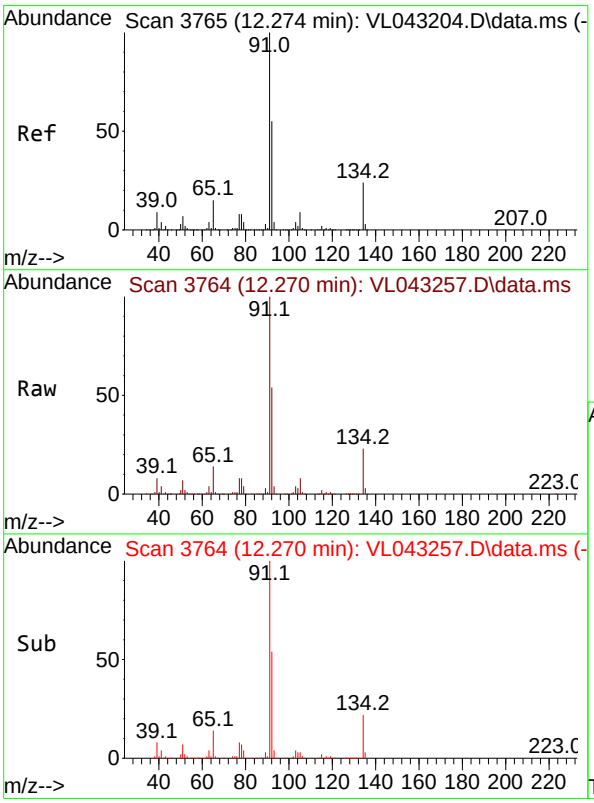
#69
p-Isopropyltoluene
Concen: 9.886 ppbv
RT: 11.914 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 641411

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.2	30.2
91	30.0	23.8	35.8

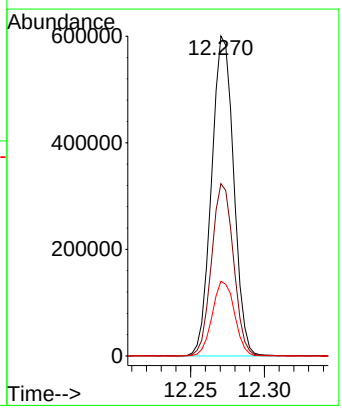


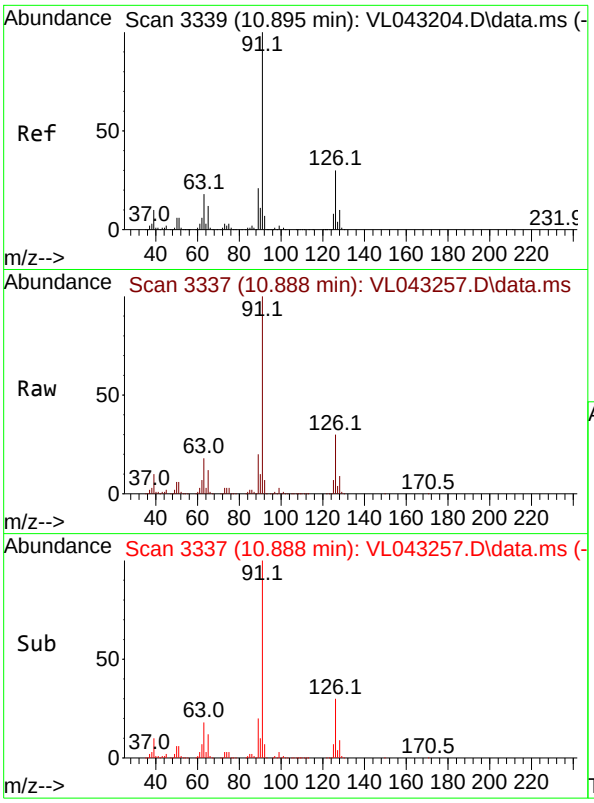


#70
n-Butylbenzene
Concen: 9.948 ppbv
RT: 12.270 min Scan# 3764
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 91 Resp: 626151

Ion	Ratio	Lower	Upper
91	100		
92	53.4	43.5	65.3
134	23.5	19.0	28.6



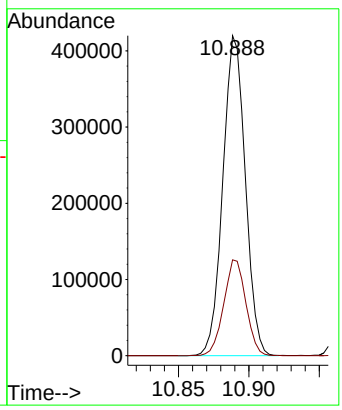


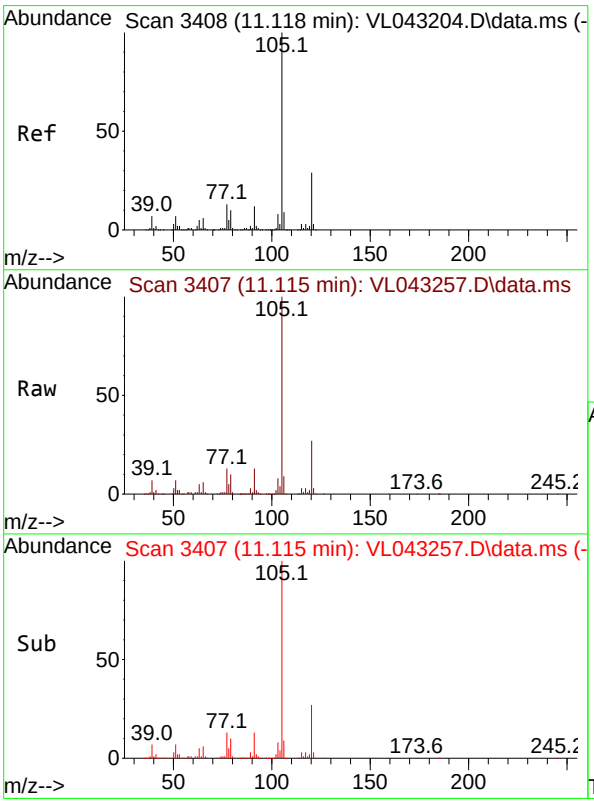
#71
2-Chlorotoluene
Concen: 9.875 ppbv
RT: 10.888 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 466353

Ion	Ratio	Lower	Upper
91	100		
126	29.5	11.7	46.7

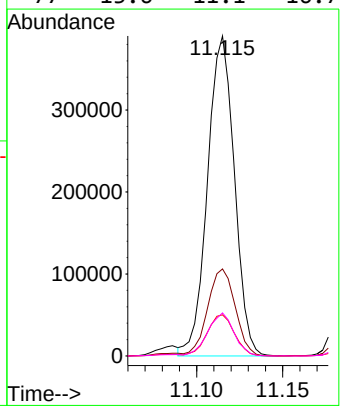


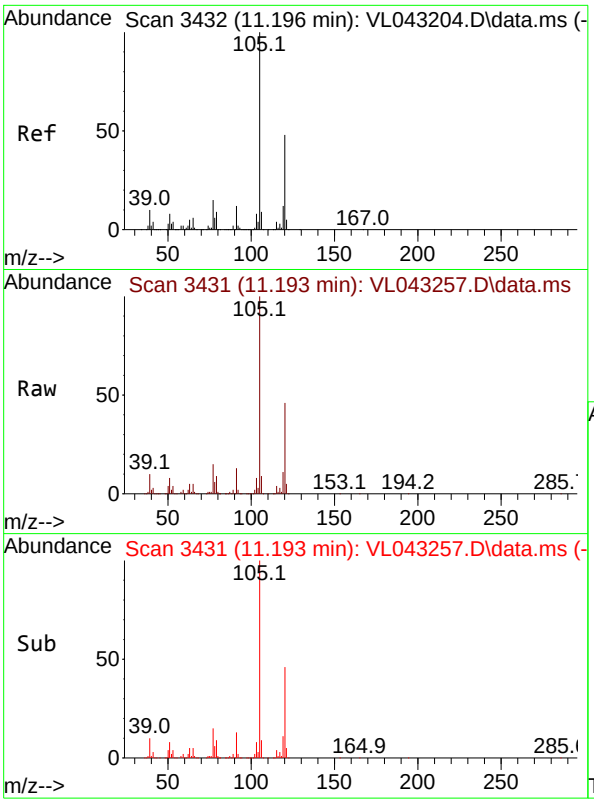


#72
4-Ethyltoluene
Concen: 10.147 ppbv
RT: 11.115 min Scan# 3407
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:105 Resp: 424355

Ion	Ratio	Lower	Upper
105	100		
120	28.7	23.8	35.8
91	13.9	10.3	15.5
77	13.6	11.1	16.7



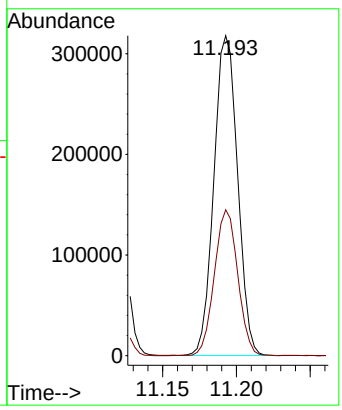


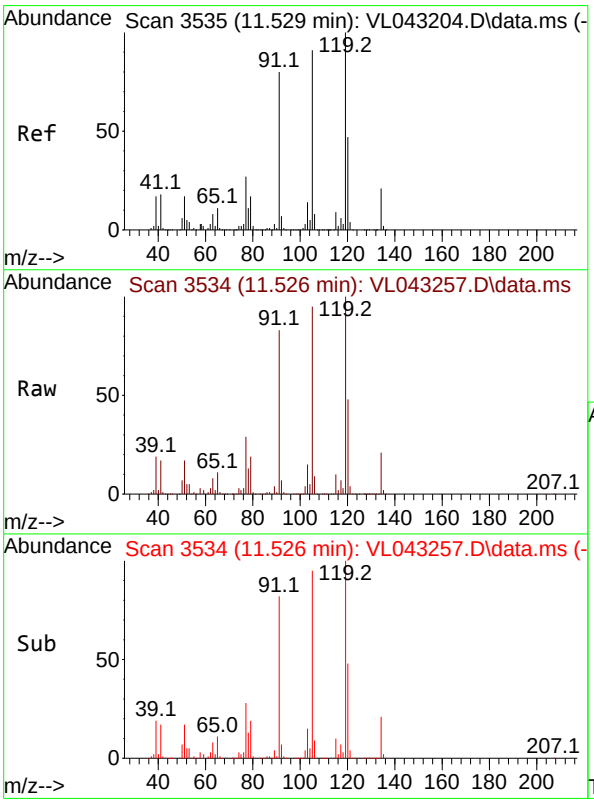
#73
1,3,5-Trimethylbenzene
Concen: 10.119 ppbv
RT: 11.193 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 355138

Ion	Ratio	Lower	Upper
105	100		
120	45.6	38.6	57.8

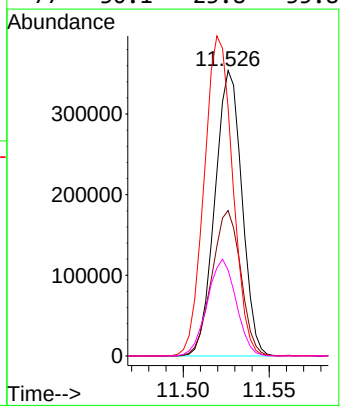


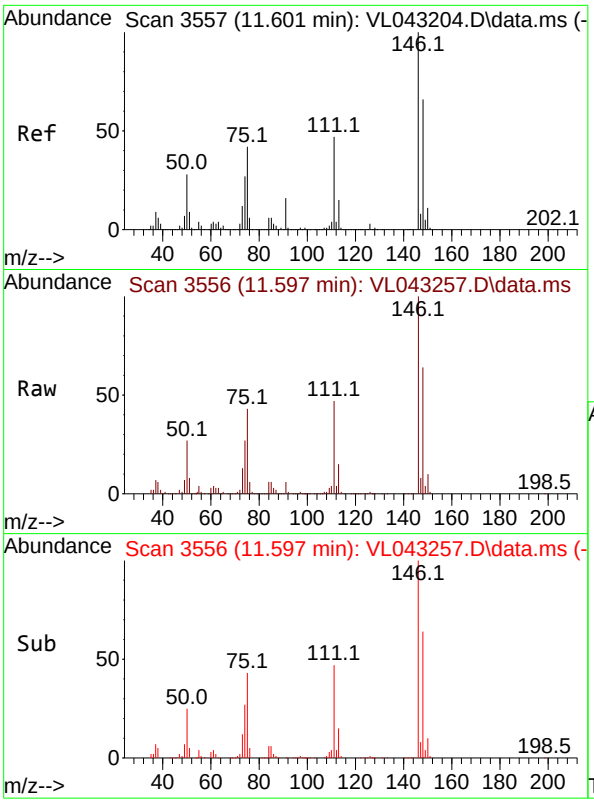


#74
1,2,4-Trimethylbenzene
Concen: 10.095 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:105 Resp: 386671

Ion	Ratio	Lower	Upper
105	100		
120	51.0	41.7	62.5
91	87.0	70.0	105.0
77	30.1	23.8	35.8



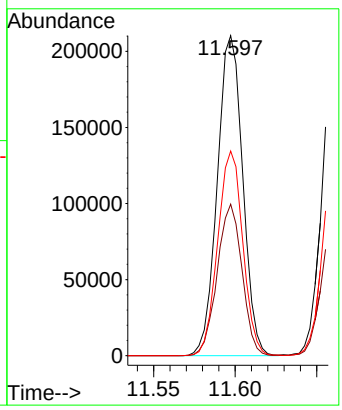


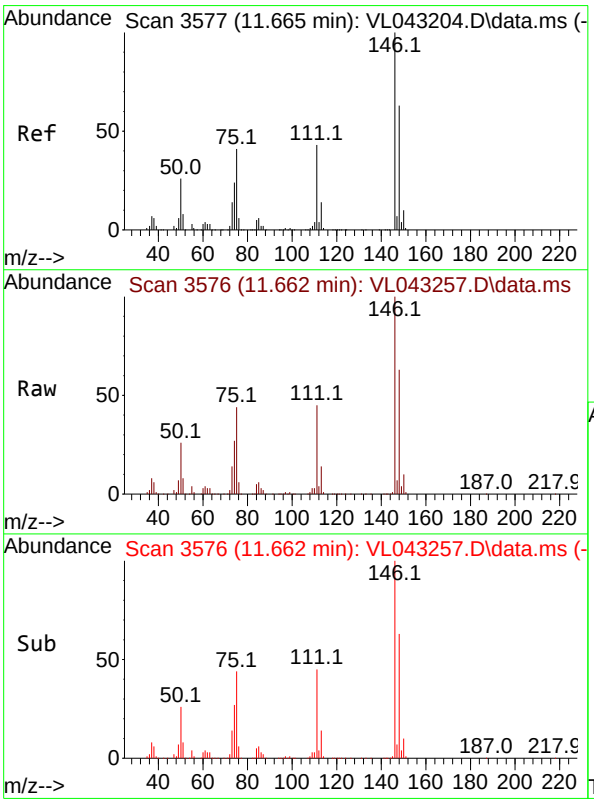
#75
1,3-Dichlorobenzene
Concen: 10.196 ppbv
RT: 11.597 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 227896

Ion	Ratio	Lower	Upper
146	100		
111	46.2	23.4	70.3
148	63.1	31.6	95.0

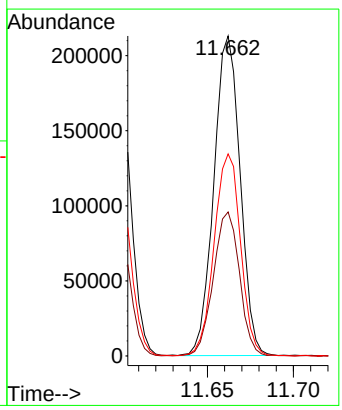


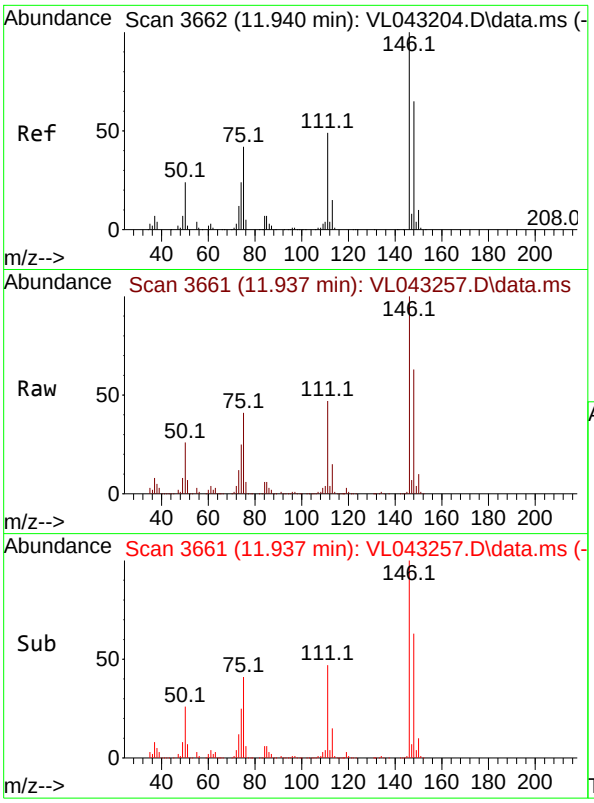


#76
1,4-Dichlorobenzene
Concen: 10.117 ppbv
RT: 11.662 min Scan# 3576
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:146 Resp: 226164

Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.8	68.3
148	63.7	31.8	95.4



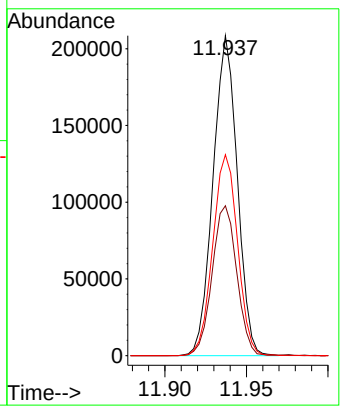


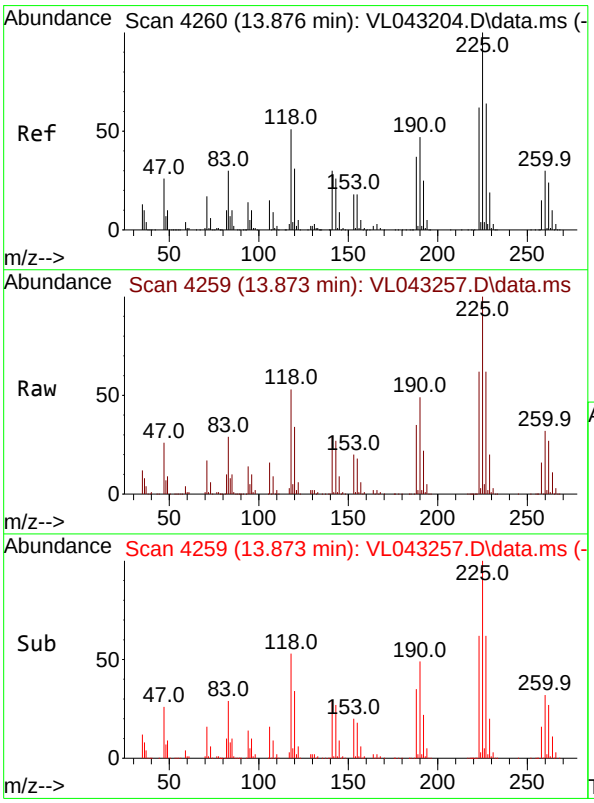
#77
1,2-Dichlorobenzene
Concen: 10.032 ppbv
RT: 11.937 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 215578

Ion	Ratio	Lower	Upper
146	100		
111	47.8	24.3	73.0
148	64.4	31.6	94.7

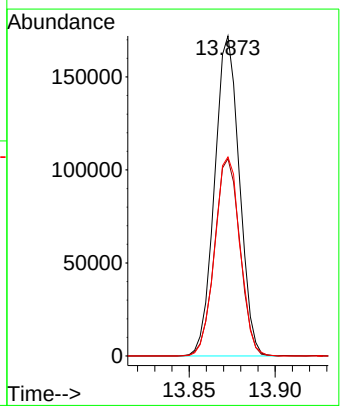


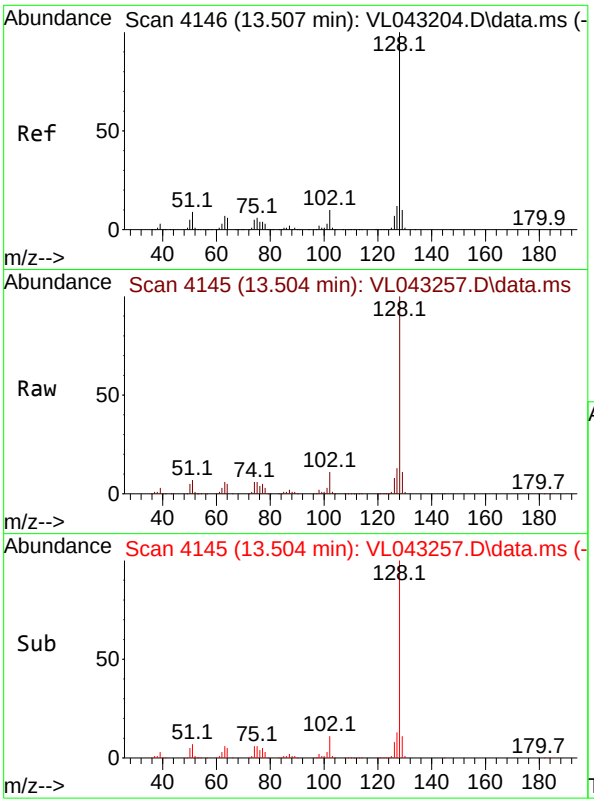


#78
Hexachloro-1,3-Butadiene
Concen: 9.604 ppbv
RT: 13.873 min Scan# 4259
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:225 Resp: 172235

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.2	75.4
227	63.5	51.1	76.7



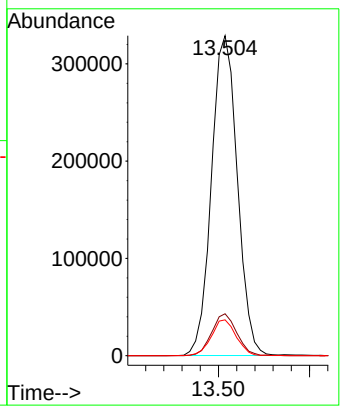


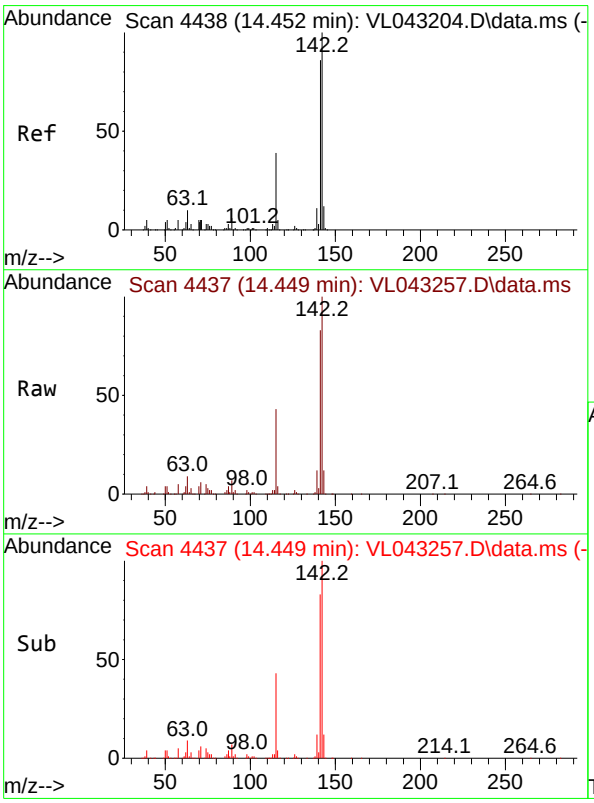
#79
Naphthalene
Concen: 9.536 ppbv
RT: 13.504 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 324391

Ion	Ratio	Lower	Upper
128	100		
127	13.1	9.9	14.9
129	11.2	8.4	12.6

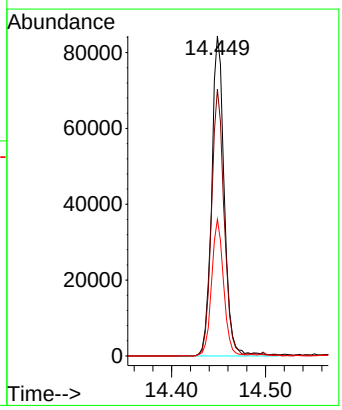


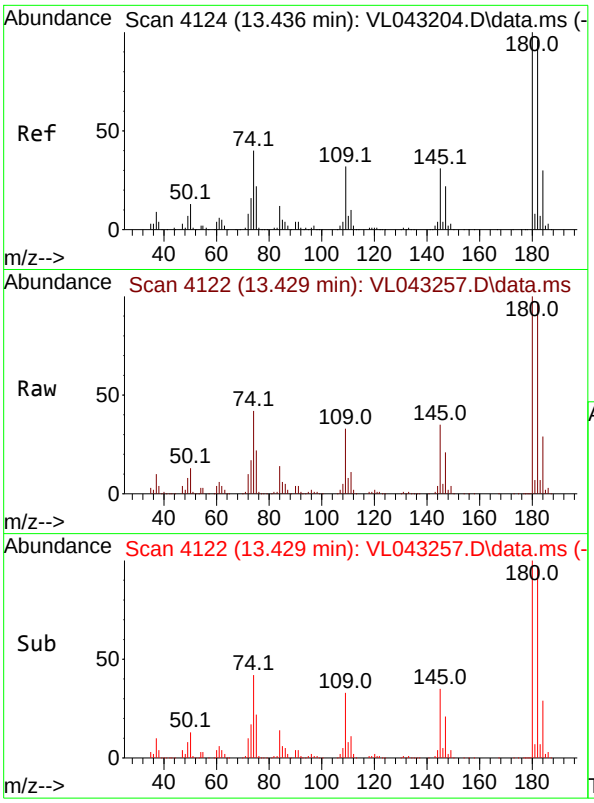


#80
Naphthalene,2-methyl-
Concen: 8.806 ppbv
RT: 14.449 min Scan# 4437
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:142 Resp: 78637

Ion	Ratio	Lower	Upper
142	100		
141	85.1	67.1	100.7
115	41.6	31.9	47.9





#81
1,2,4-Trichlorobenzene
Concen: 10.564 ppbv
RT: 13.429 min Scan# 4
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 160725

Ion	Ratio	Lower	Upper
180	100		
182	97.8	77.4	116.2
184	31.2	24.2	36.4