Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042044.D
Acq On : 25 Feb 2025 10:31
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Feb 25 10:56:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.797	49	159644	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.975	114	421340	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.898	117	365954	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.390	95	281042	9.310	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	8852	0.322	ppbv		98
3) Chlorodifluoromethane	1.479	51	11921	0.392	ppbv		94
4) Chloromethane	1.537	50	3497	0.327	ppbv	#	88
5) Vinyl Chloride	1.583	62	3005	0.235	ppbv		98
6) Bromomethane	1.673	94	1359	0.275	ppbv		92
7) Chloroethane	1.709	64	1205	0.290	ppbv		89
8) Dichlorotetrafluoroethane	1.557	85	7123	0.295	ppbv		99
9) Propene	1.486	41	4904	0.374	ppbv		94
10) Heptane	5.004	43	15731	0.432	ppbv		98
11) Trichlorofluoromethane	1.884	101	8429	0.305	ppbv		92
12) 1,1,2-Trichlorotrifluo...	2.146	101	7336	0.340	ppbv		98
13) Ethanol	1.725	45	426	0.288	ppbv		75
14) Bromoethene	1.787	108	2598	0.323	ppbv	#	89
15) Acetone	1.842	43	8655	0.328	ppbv		96
16) 1,3-Butadiene	1.615	39	3803	0.304	ppbv		97
17) tert-Butyl alcohol	2.049	59	9447	0.290	ppbv	#	90
18) 1,1-Dichloroethene	2.039	96	3173	0.308	ppbv		94
19) Isopropyl Alcohol	1.894	45	4481	0.303	ppbv	#	32
20) Methylene Chloride	2.068	84	3423	0.345	ppbv		97
21) Allyl Chloride	2.104	41	5640	0.296	ppbv		100
22) trans-1,2-Dichloroethene	2.039	96	3173	0.284	ppbv		92
23) Vinyl Acetate	2.473	43	5499	0.385	ppbv	#	86
24) 1,1-Dichloroethane	2.418	63	7396	0.326	ppbv	#	88
25) Ethyl Acetate	2.848	43	30593	0.423	ppbv		98
26) Hexane	2.832	57	12739	0.439	ppbv		98
27) Carbon Disulfide	2.159	76	8316	0.305	ppbv	#	15
28) Methyl tert-Butyl Ether	2.450	73	5185	0.292	ppbv	#	80
29) Chloroform	2.858	83	17278	0.411	ppbv		93
30) Cyclohexane	3.874	84	9209	0.391	ppbv		88
31) cis-1,2-Dichloroethene	2.729	61	11344	0.395	ppbv		97
32) 1,1,1-Trichloroethane	3.382	97	15027	0.322	ppbv		93
34) 2-Butanone	2.570	43	17555	0.484	ppbv		99
35) Carbon Tetrachloride	3.780	117	14223	0.348	ppbv		90
36) Benzene	3.670	78	22728	0.445	ppbv		95
37) 1,2-Dichloroethane	3.230	62	13141	0.452	ppbv		100
38) Trichloroethene	4.570	130	9115	0.440	ppbv	#	87
39) 1,2-Dichloropropane	4.331	63	8723	0.466	ppbv		91
40) 1,4-Dioxane	4.622	88	3478	0.357	ppbv	#	33
41) Tetrahydrofuran	3.078	42	9880	0.477	ppbv		98
42) Bromodichloromethane	4.505	83	16973	0.431	ppbv	#	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042044.D
Acq On : 25 Feb 2025 10:31
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Feb 25 10:56:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Methyl Methacrylate	4.904	69	8428	0.362	ppbv		93
44) 2,2,4-Trimethylpentane	4.661	57	40623	0.469	ppbv		98
45) t-1,3-Dichloropropene	6.441	75	8004	0.364	ppbv		90
46) cis-1,3-Dichloropropene	5.629	75	4036	0.145	ppbv		89
47) 1,1,2-Trichloroethane	6.609	97	5914	0.300	ppbv	#	82
48) Dibromochloromethane	7.406	129	12677	0.384	ppbv		99
49) Bromoform	9.496	173	11640	0.430	ppbv		98
50) 4-Methyl-2-Pentanone	5.794	43	11029	0.198	ppbv	#	38
51) 2-Hexanone	7.470	43	11717	0.257	ppbv	#	95
52) Tetrachloroethene	8.241	164	8012	0.450	ppbv		95
53) Toluene	6.956	91	24224	0.398	ppbv		96
54) 1,2-Dibromoethane	7.674	107	5550	0.205	ppbv		85
56) 1,1,1,2-Tetrachloroethane	8.940	131	11100	0.424	ppbv	#	61
57) Chlorobenzene	8.936	112	20167	0.468	ppbv		97
58) Ethyl Benzene	9.370	91	34506	0.431	ppbv		90
59) m/p-Xylene	9.545	91	28109	0.446	ppbv	#	100
60) o-Xylene	9.979	91	28757	0.451	ppbv		95
61) Styrene	9.885	104	12051	0.396	ppbv		99
62) Isopropylbenzene	10.552	105	42074	0.439	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.975	83	18774	0.456	ppbv		96
64) n-propylbenzene	11.001	120	10900	0.463	ppbv		100
65) tert-Butylbenzene	11.542	119	38066	0.456	ppbv		98
66) Benzyl Chloride	11.626	91	2589	0.309	ppbv	#	96
67) sec-Butylbenzene	11.778	105	54394	0.464	ppbv		97
69) p-Isopropyltoluene	11.937	119	40978	0.427	ppbv		95
70) n-Butylbenzene	12.293	91	42673	0.451	ppbv		99
71) 2-Chlorotoluene	10.914	91	32161	0.446	ppbv		99
72) 4-Ethyltoluene	11.137	105	32477	0.434	ppbv	#	95
73) 1,3,5-Trimethylbenzene	11.215	105	29130	0.452	ppbv		91
74) 1,2,4-Trimethylbenzene	11.548	105	33950	0.491	ppbv		97
75) 1,3-Dichlorobenzene	11.616	146	20339	0.546	ppbv		96
76) 1,4-Dichlorobenzene	11.684	146	20492	0.564	ppbv		93
77) 1,2-Dichlorobenzene	11.959	146	19373	0.544	ppbv		96
78) Hexachloro-1,3-Butadiene	13.892	225	15367	0.522	ppbv		99
79) Naphthalene	13.523	128	17897	0.263	ppbv	#	95
80) Naphthalene,2-methyl-	14.478	142	1646	0.053	ppbv	#	81
81) 1,2,4-Trichlorobenzene	13.452	180	10771	0.389	ppbv		94

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

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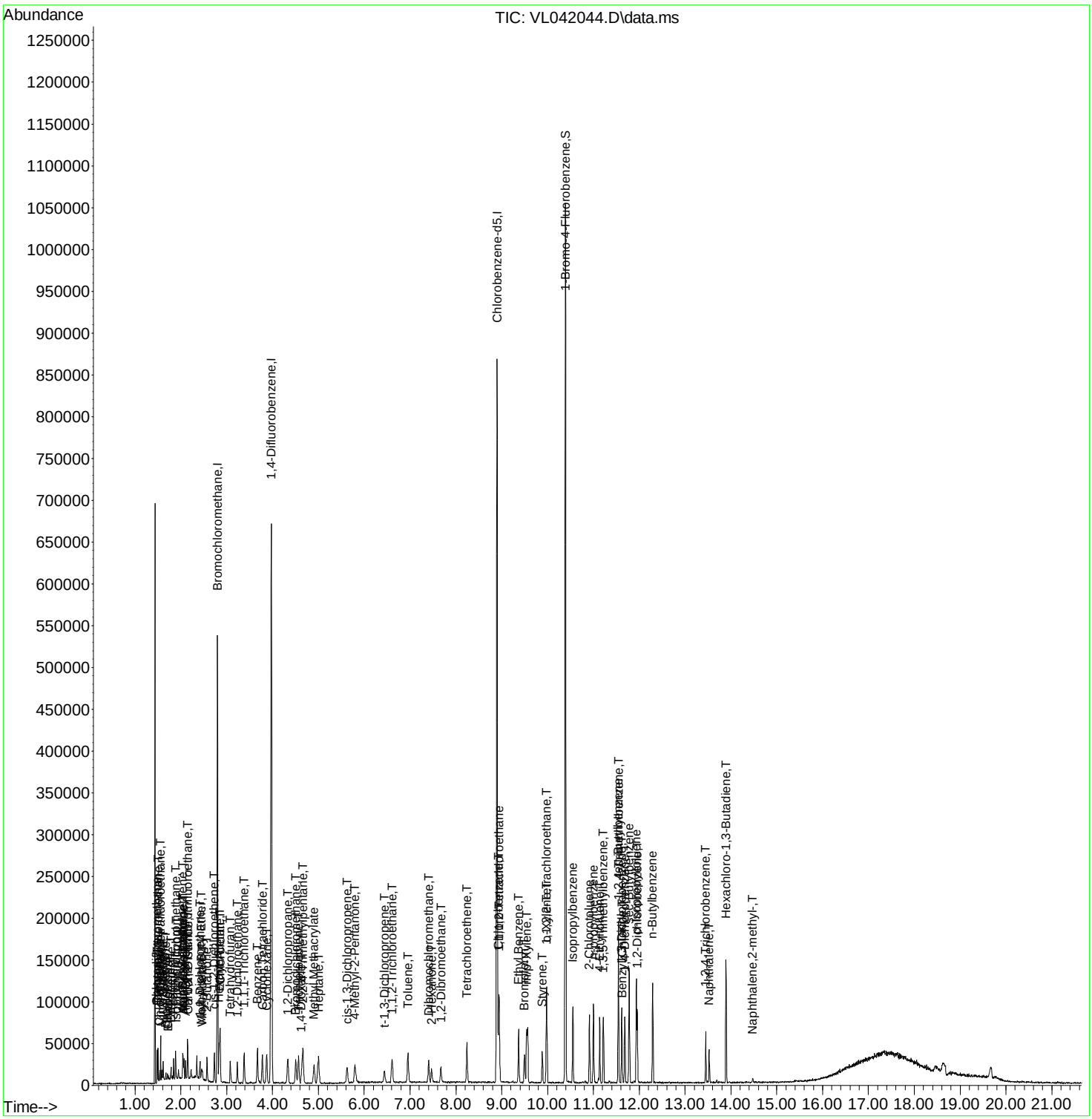
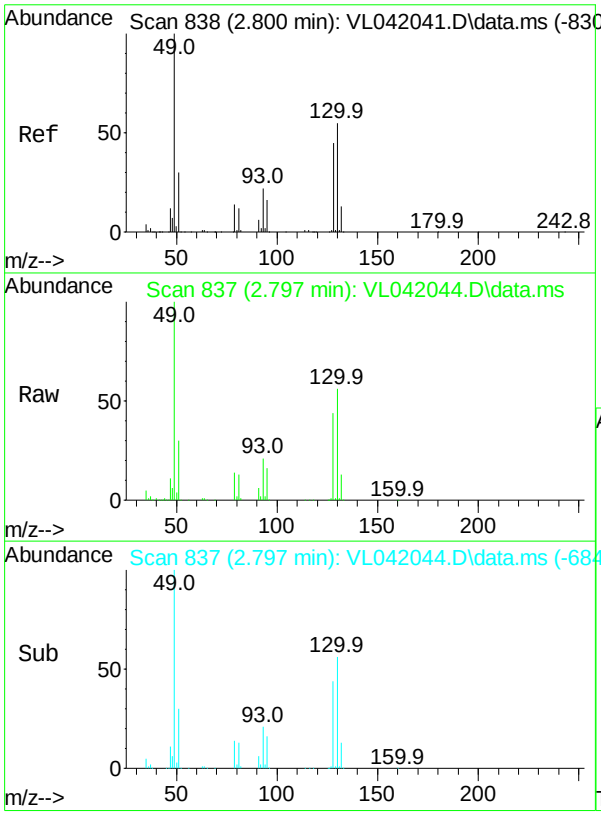
Acq On : 25 Feb 2025 10:31
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Feb 25 10:56:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration



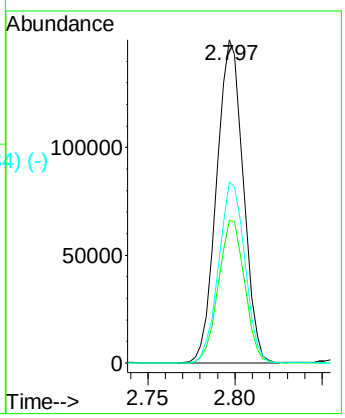
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

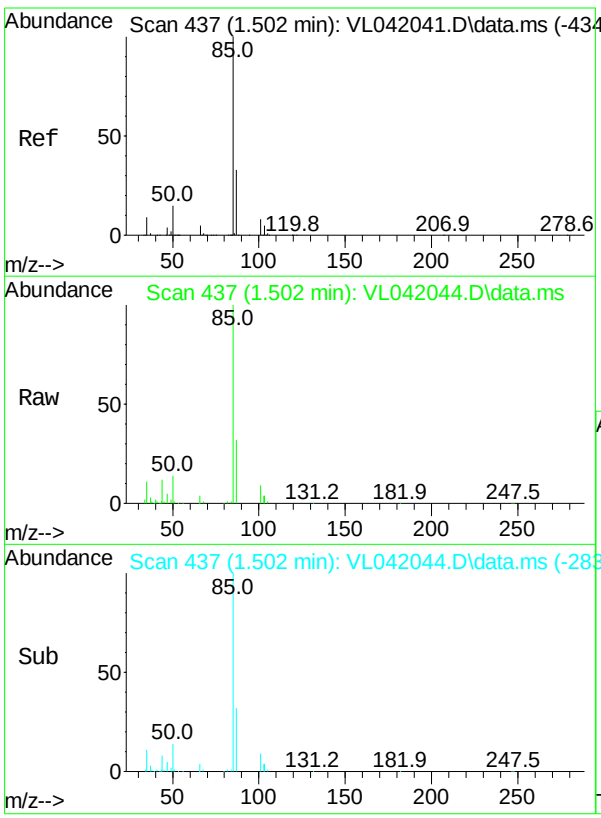


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 49 Resp: 159644

Ion	Ratio	Lower	Upper
49	100		
128	43.5	21.6	64.8
130	55.1	27.8	83.4

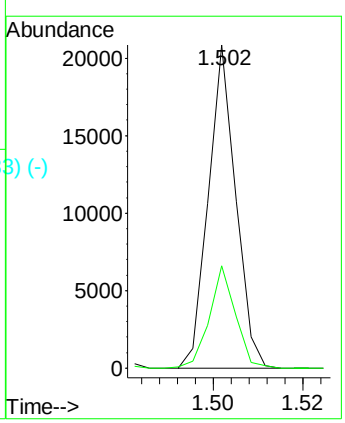




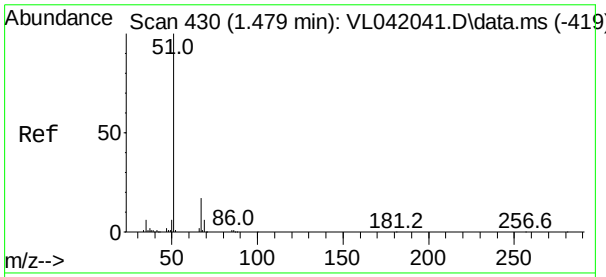
#2
Dichlorodifluoromethane
Concen: 0.322 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 85 Resp: 8852

Ion	Ratio	Lower	Upper
85	100		
87	31.7	26.4	39.6



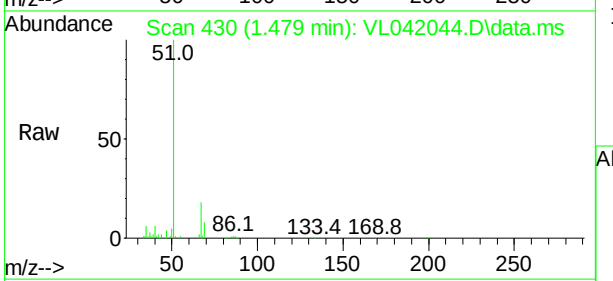
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

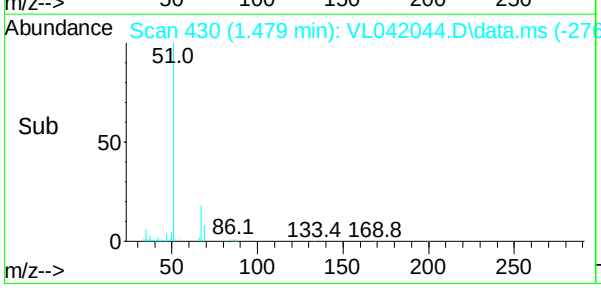


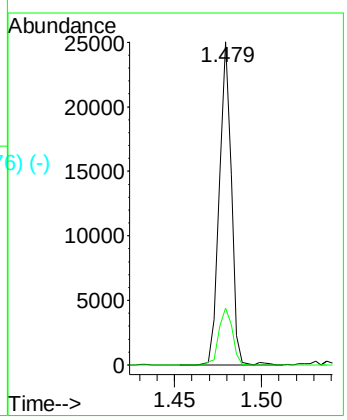
#3
Chlorodifluoromethane
Concen: 0.392 ppbv
RT: 1.479 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

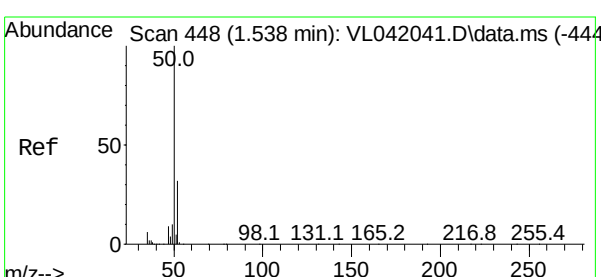
Tgt Ion: 51 Resp: 11921

Ion	Ratio	Lower	Upper
51	100		
67	19.6	13.7	20.5





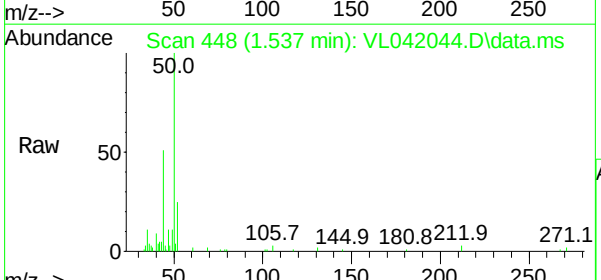


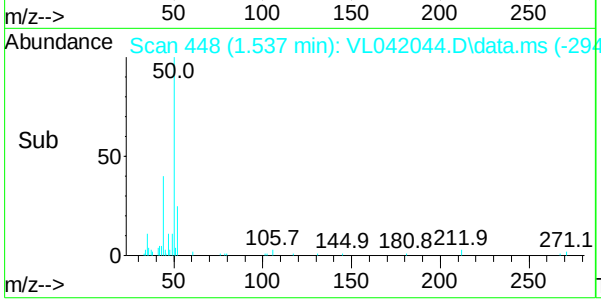


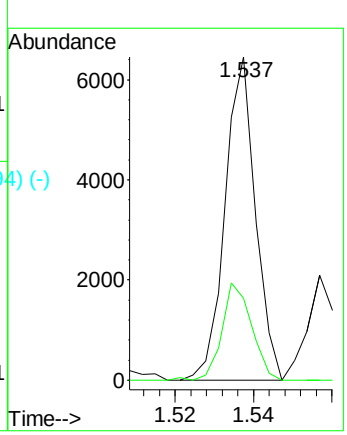
#4
Chloromethane
Concen: 0.327 ppbv
RT: 1.537 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 50 Resp: 3497

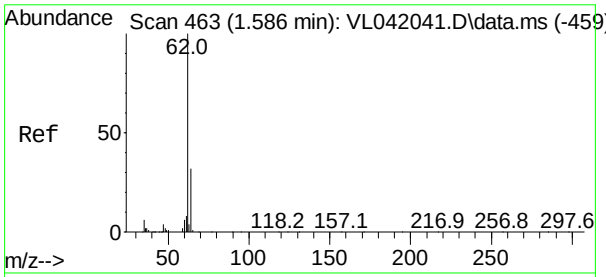
Ion	Ratio	Lower	Upper
50	100		
52	25.3	25.4	38.0#







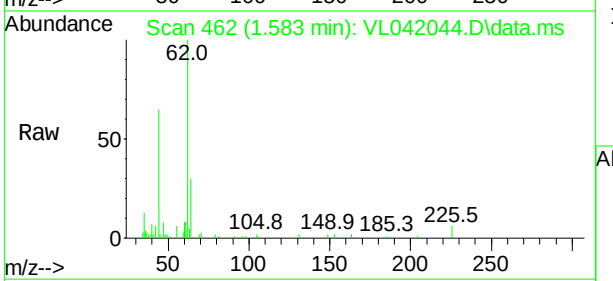
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

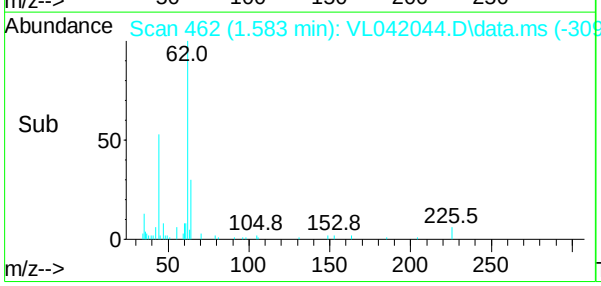


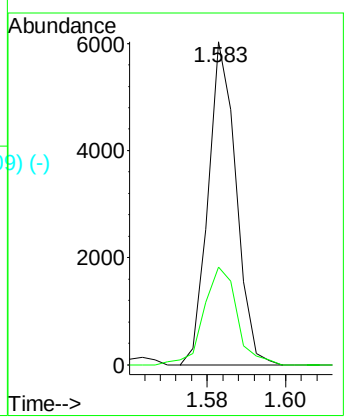
#5
Vinyl Chloride
Concen: 0.235 ppbv
RT: 1.583 min Scan# 4
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

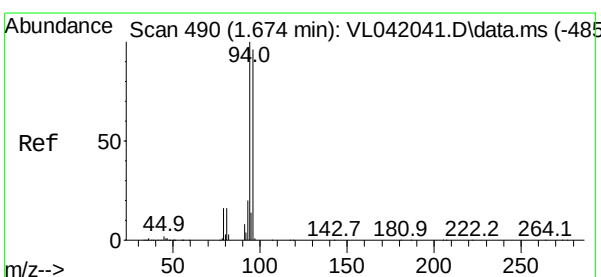
Tgt Ion: 62 Resp: 3005

Ion	Ratio	Lower	Upper
62	100		
64	30.3	25.3	37.9





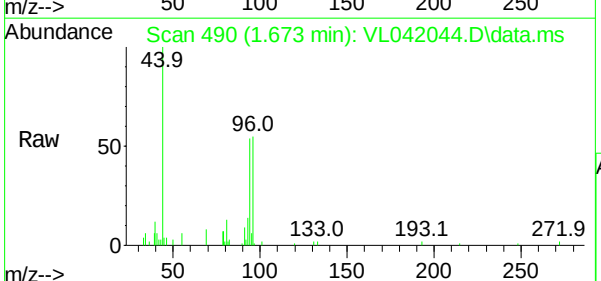


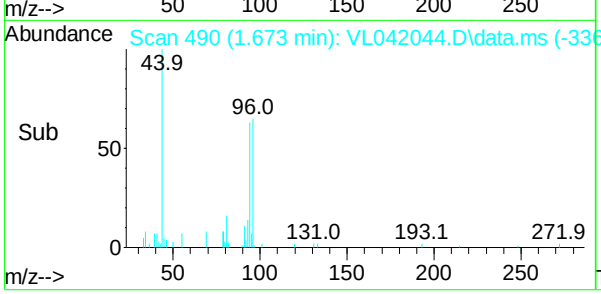


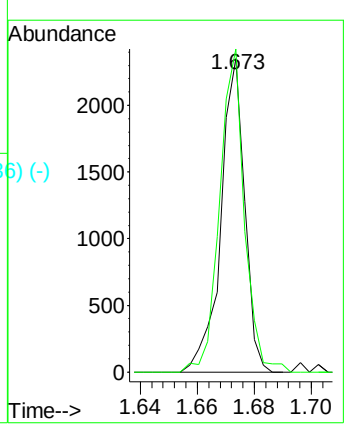
#6
Bromomethane
Concen: 0.275 ppbv
RT: 1.673 min Scan# 490
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 94 Resp: 1359

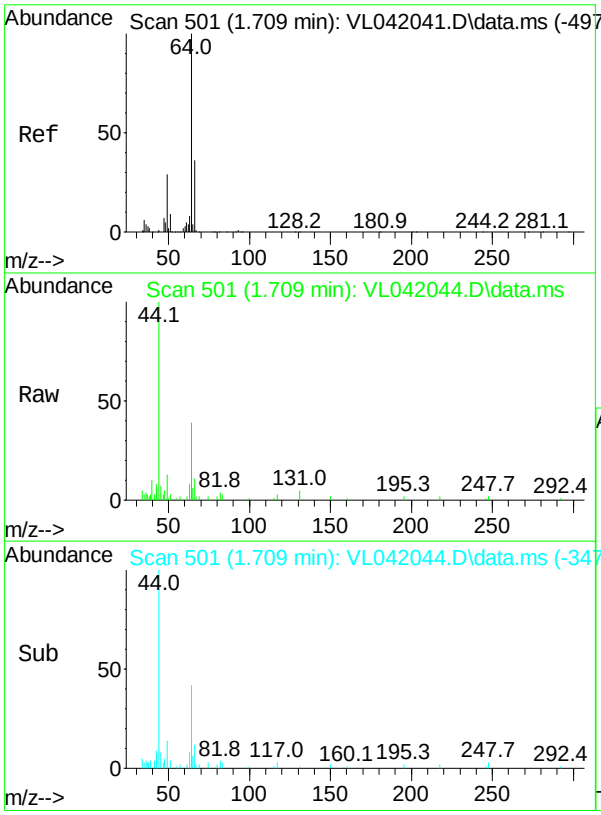
Ion	Ratio	Lower	Upper
94	100		
96	103.2	76.5	114.7







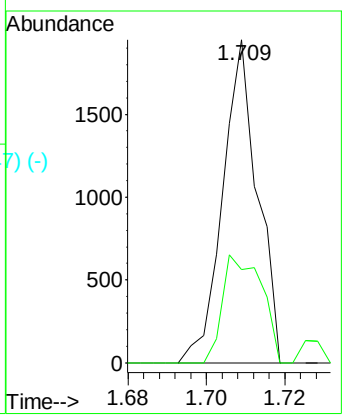
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

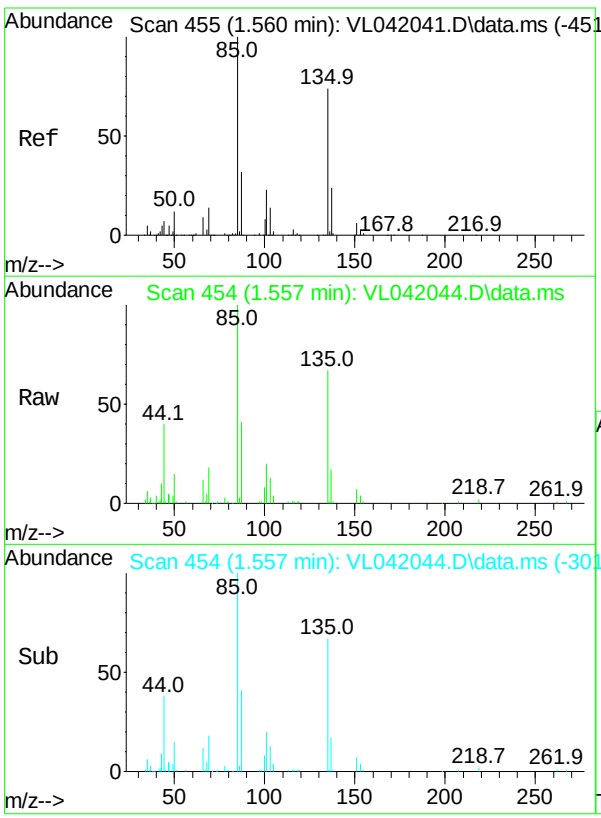


#7
Chloroethane
Concen: 0.290 ppbv
RT: 1.709 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 64 Resp: 1205

Ion	Ratio	Lower	Upper
64	100		
66	28.9	28.4	42.6

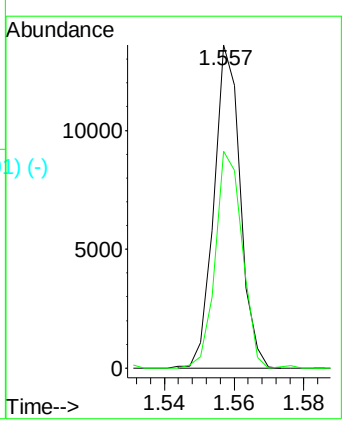




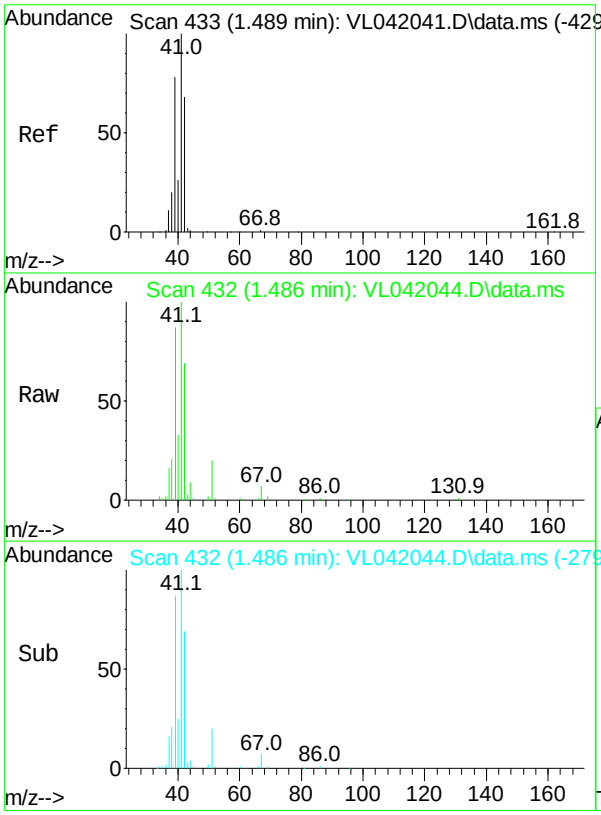
#8
Dichlorotetrafluoroethane
Concen: 0.295 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 85 Resp: 7123

Ion	Ratio	Lower	Upper
85	100		
135	69.0	54.6	81.8



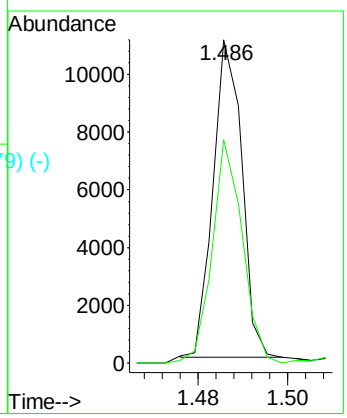
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

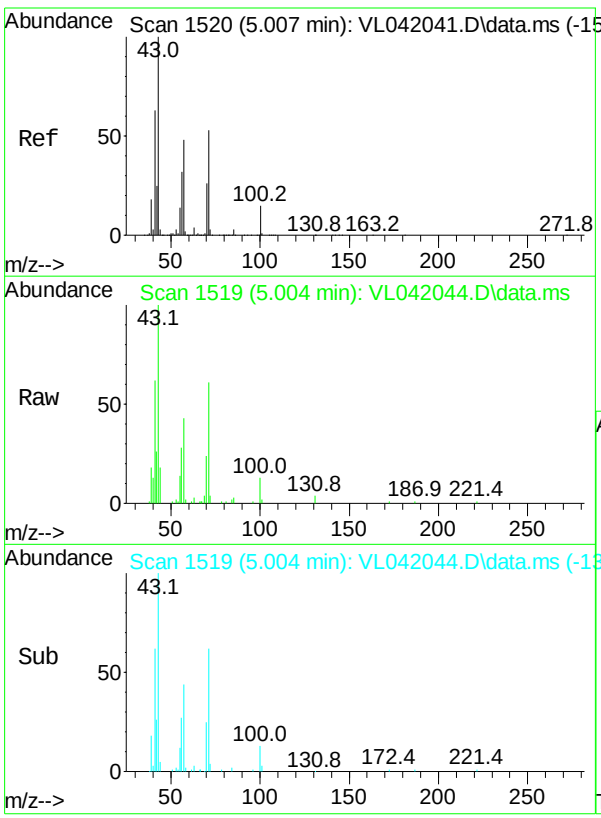


#9
Propene
Concen: 0.374 ppbv
RT: 1.486 min Scan# 4
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 41 Resp: 4904

Ion	Ratio	Lower	Upper
41	100		
42	74.6	55.8	83.6

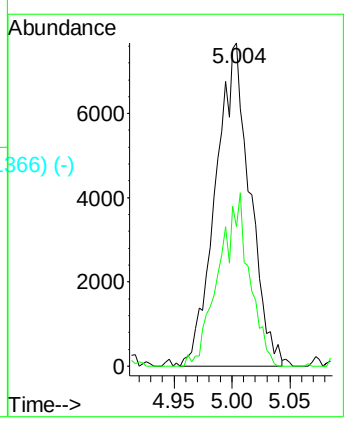




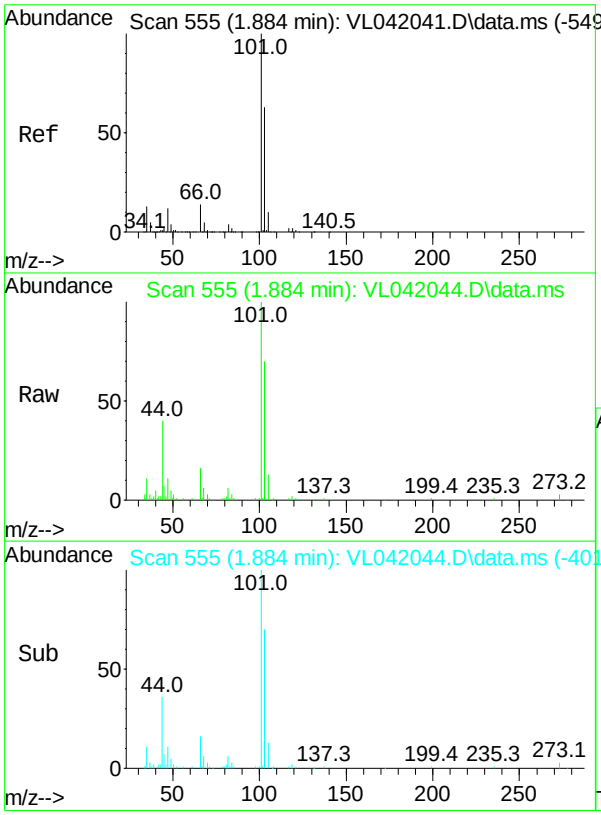
#10
Heptane
Concen: 0.432 ppbv
RT: 5.004 min Scan# 1519
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 43 Resp: 15731

Ion	Ratio	Lower	Upper
43	100		
57	47.7	39.4	59.0



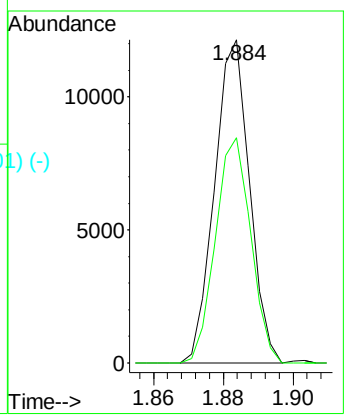
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

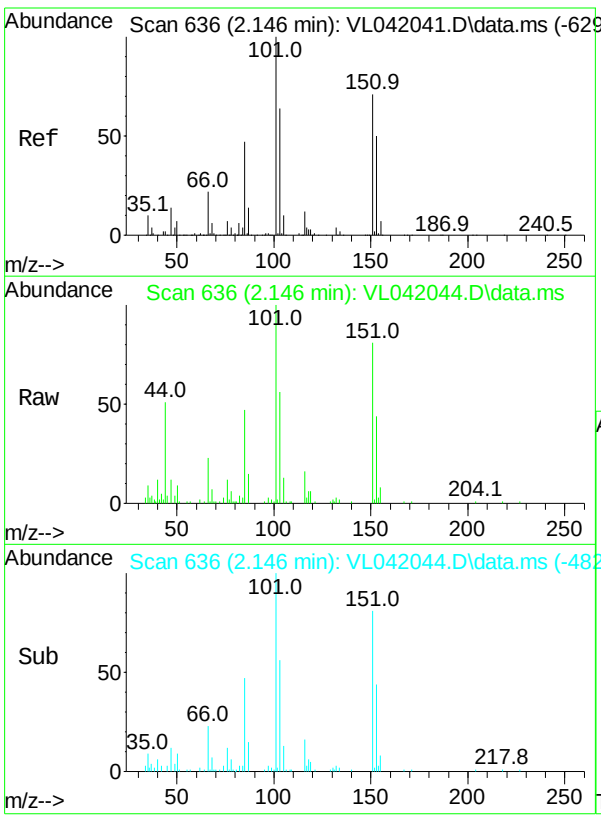


#11
Trichlorofluoromethane
Concen: 0.305 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:101 Resp: 8429

Ion	Ratio	Lower	Upper
101	100		
103	69.6	50.6	75.8

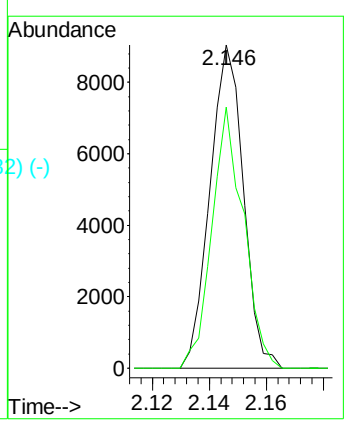




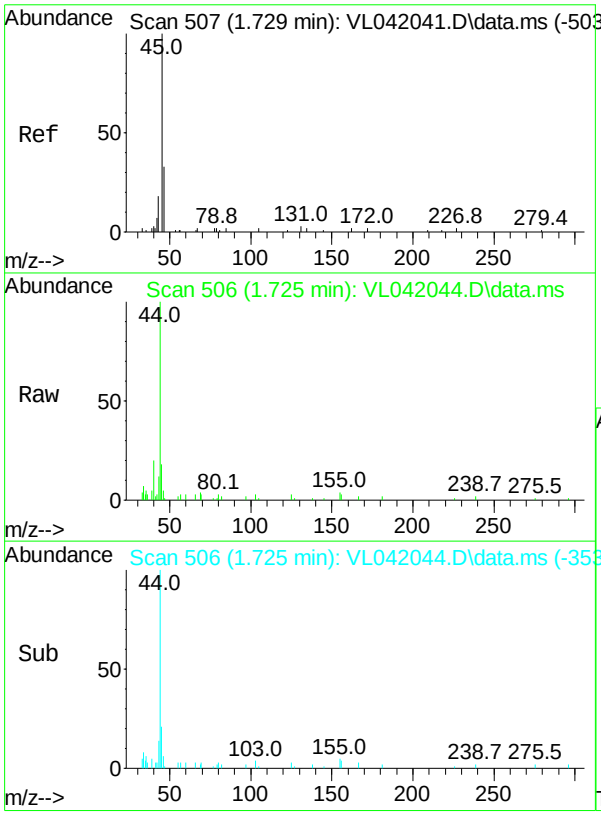
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.340 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:101 Resp: 7336

Ion	Ratio	Lower	Upper
101	100		
151	76.2	62.6	94.0



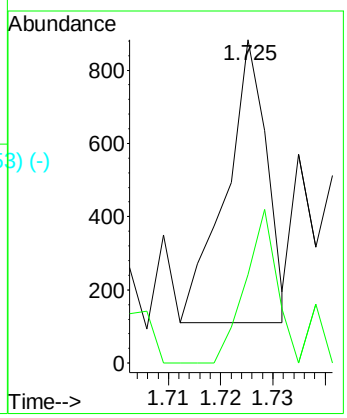
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

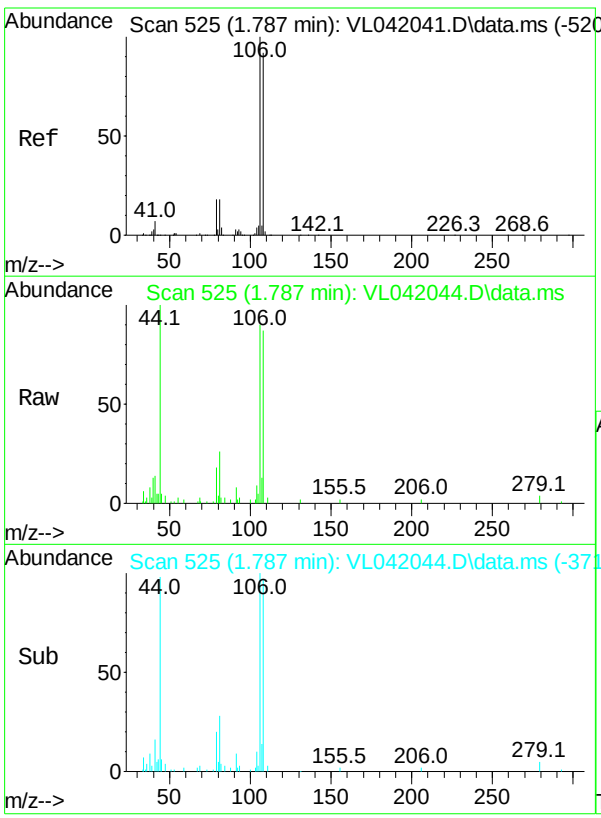


#13
Ethanol
Concen: 0.288 ppbv
RT: 1.725 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 45 Resp: 426

Ion	Ratio	Lower	Upper
45	100		
46	58.9	17.1	68.3

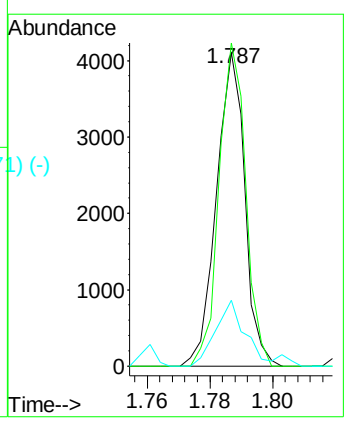




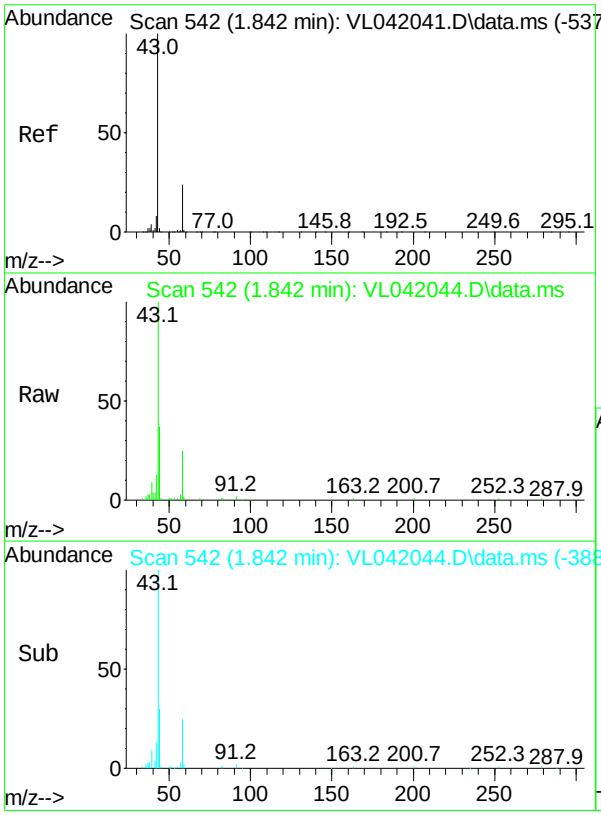
#14
Bromoethene
Concen: 0.323 ppbv
RT: 1.787 min Scan# 525
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:108 Resp: 2598

Ion	Ratio	Lower	Upper
108	100		
106	96.8	85.4	128.0
79	27.9	16.5	24.7#



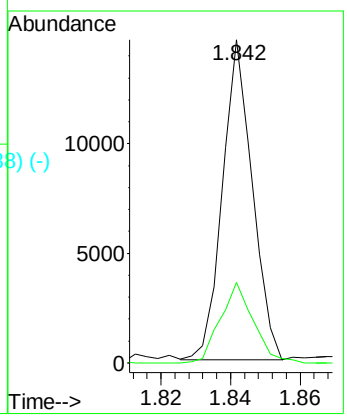
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

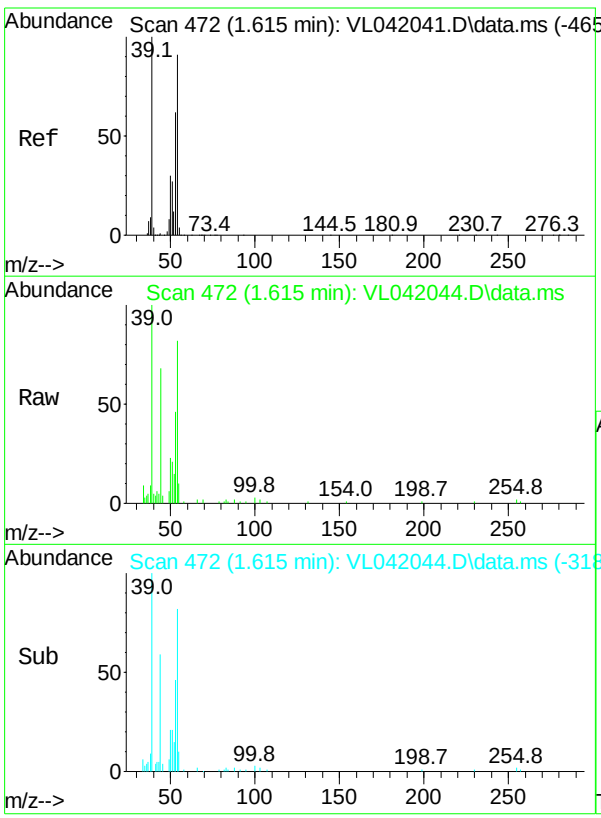


#15
Acetone
Concen: 0.328 ppbv
RT: 1.842 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 43 Resp: 8655

Ion	Ratio	Lower	Upper
43	100		
58	27.9	20.7	31.1

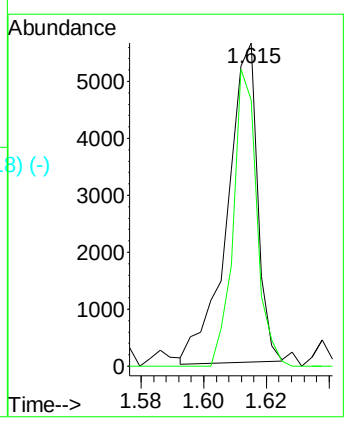




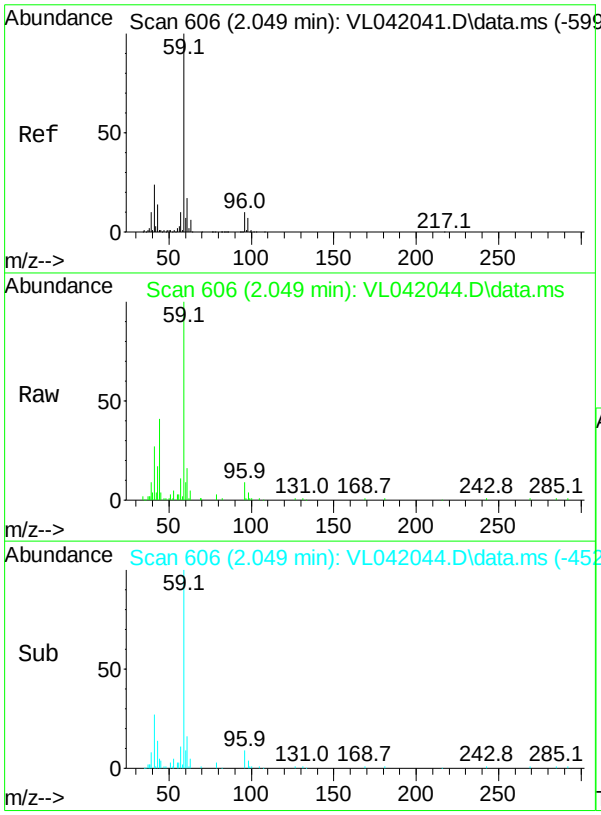
#16
1,3-Butadiene
Concen: 0.304 ppbv
RT: 1.615 min Scan# 472
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 39 Resp: 3803

Ion	Ratio	Lower	Upper
39	100		
54	71.9	59.6	89.4



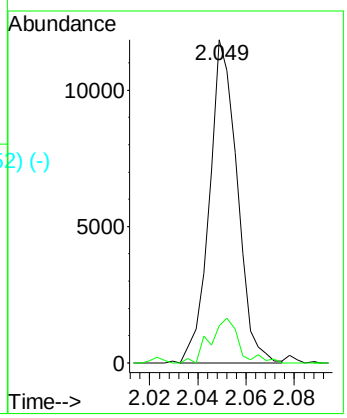
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

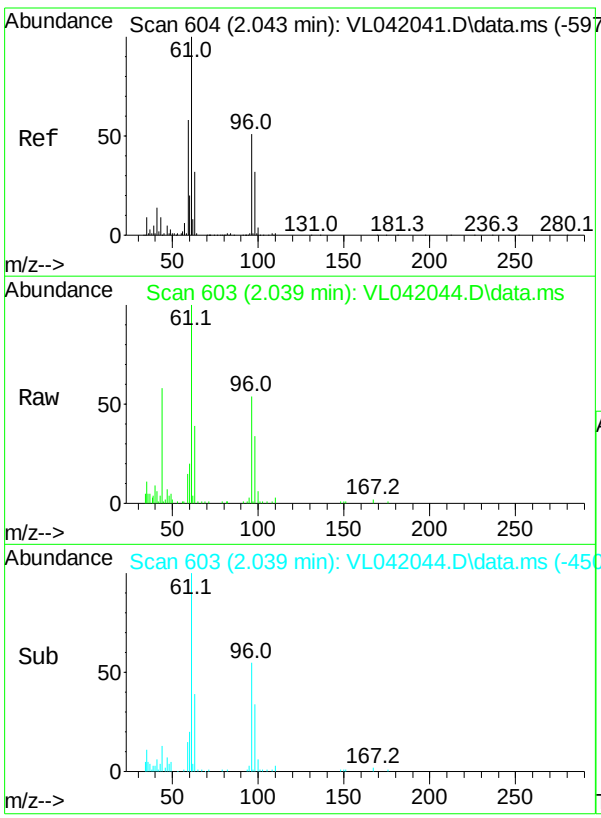


#17
tert-Butyl alcohol
Concen: 0.290 ppbv
RT: 2.049 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 59 Resp: 9447

Ion	Ratio	Lower	Upper
59	100		
57	15.3	9.3	13.9#

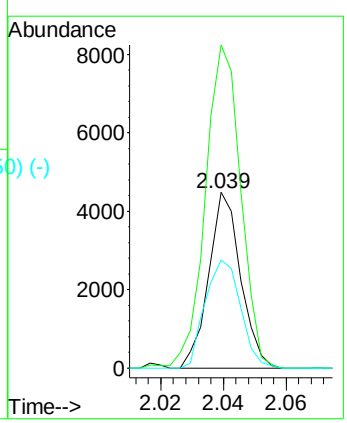




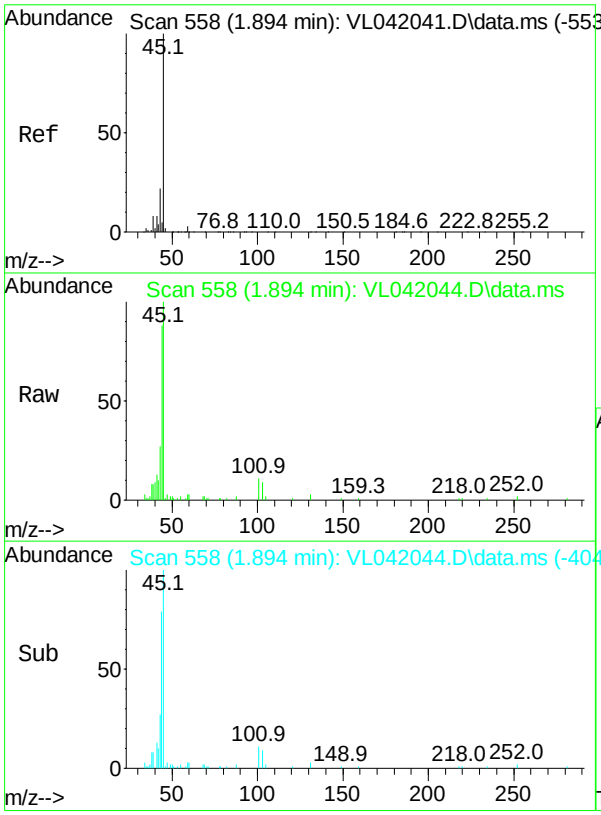
#18
1,1-Dichloroethene
Concen: 0.308 ppbv
RT: 2.039 min Scan# 603
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 96 Resp: 3173

Ion	Ratio	Lower	Upper
96	100		
61	183.8	156.0	234.0
98	61.6	49.4	74.2



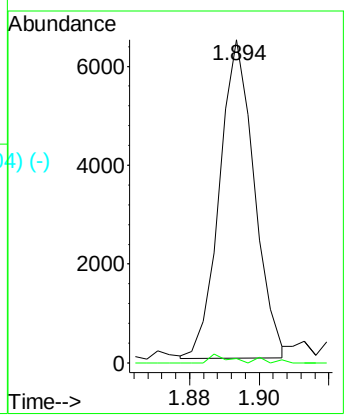
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

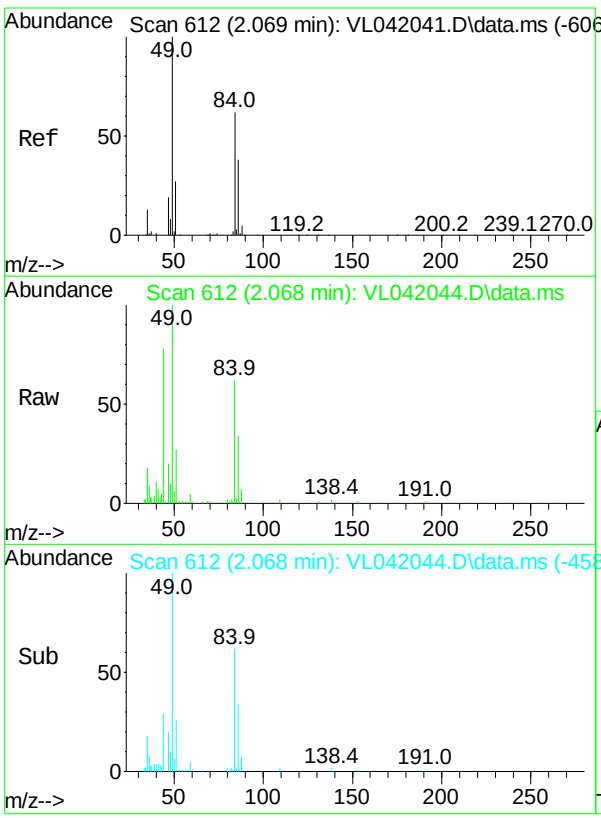


#19
Isopropyl Alcohol
Concen: 0.303 ppbv
RT: 1.894 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 45 Resp: 4481

Ion	Ratio	Lower	Upper
45	100		
58	0.0	35.3	52.9#

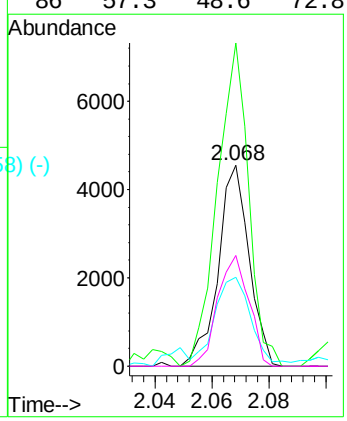




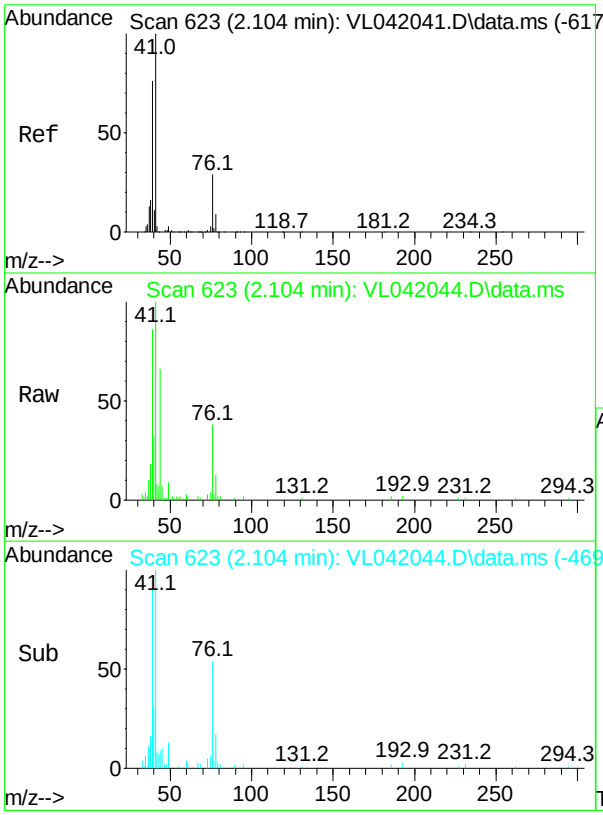
#20
Methylene Chloride
Concen: 0.345 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 84 Resp: 3423

Ion	Ratio	Lower	Upper
84	100		
49	160.7	130.0	195.0
51	41.5	37.4	56.0
86	57.3	48.6	72.8



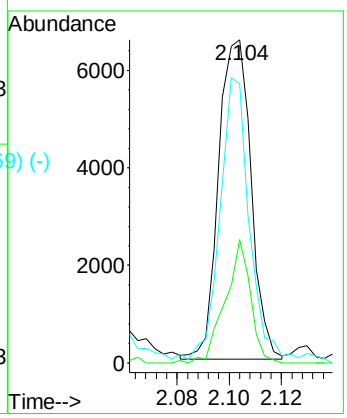
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

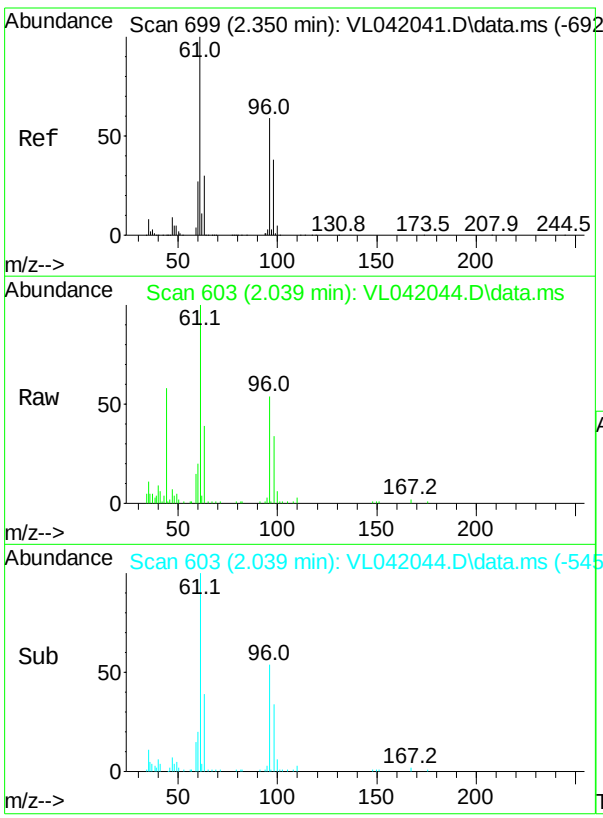


#21
Allyl Chloride
Concen: 0.296 ppbv
RT: 2.104 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 41 Resp: 5640

Ion	Ratio	Lower	Upper
41	100		
76	30.2	23.8	35.6
39	79.8	63.8	95.6

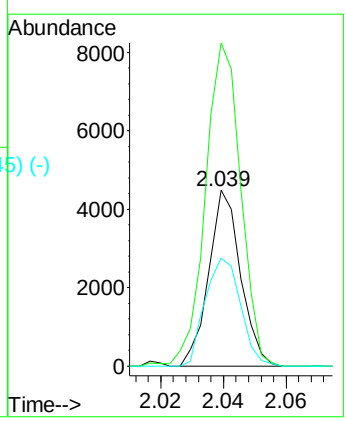




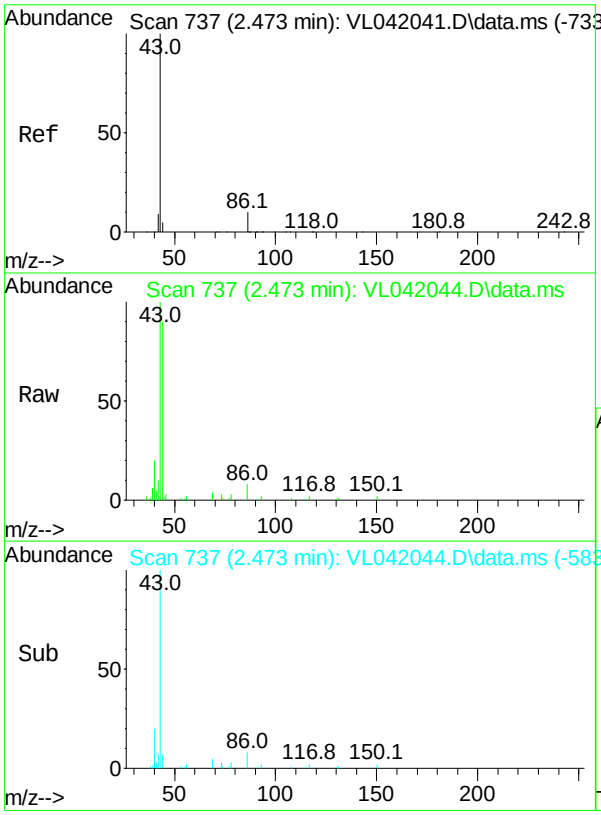
#22
trans-1,2-Dichloroethene
Concen: 0.284 ppbv
RT: 2.039 min Scan# 603
Delta R.T. -0.311 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 96 Resp: 3173

Ion	Ratio	Lower	Upper
96	100		
61	183.8	136.6	205.0
98	61.6	51.8	77.6



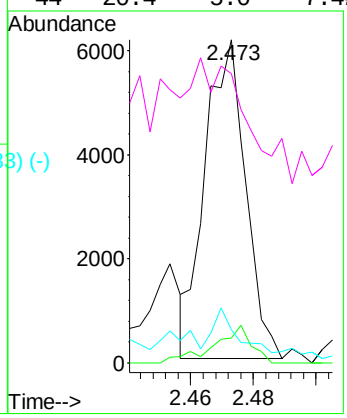
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

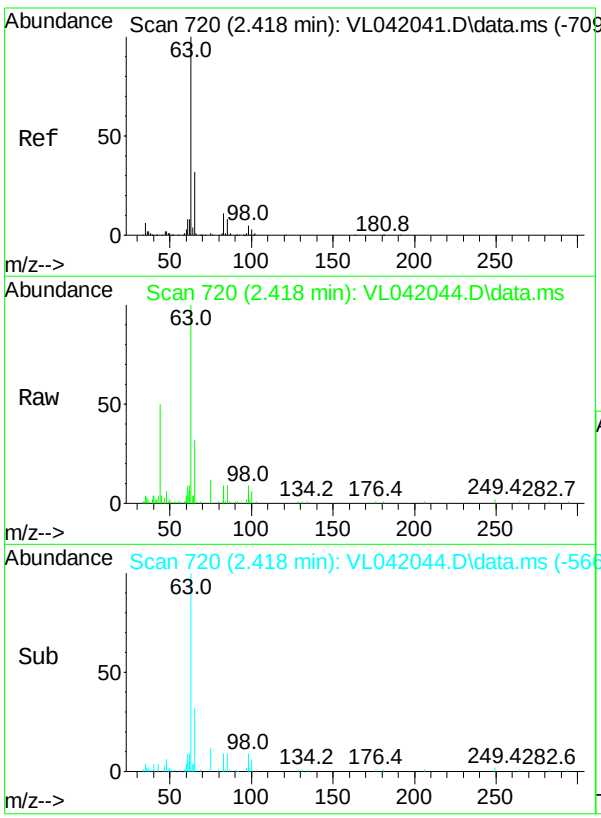


#23
Vinyl Acetate
Concen: 0.385 ppbv
RT: 2.473 min Scan#
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 43 Resp: 5499

Ion	Ratio	Lower	Upper
43	100		
86	7.8	7.0	10.4
42	6.8	7.6	11.4#
44	20.4	5.0	7.4#

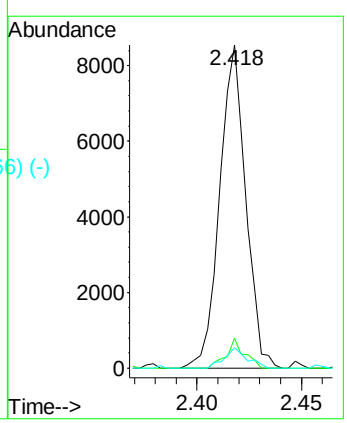




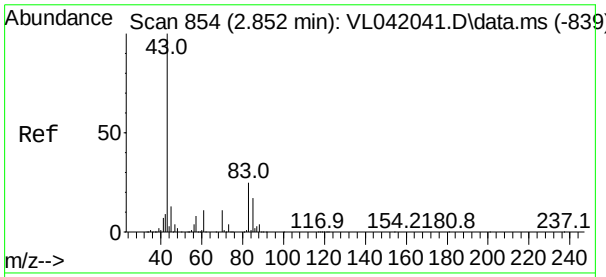
#24
1,1-Dichloroethane
Concen: 0.326 ppbv
RT: 2.418 min Scan# 720
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

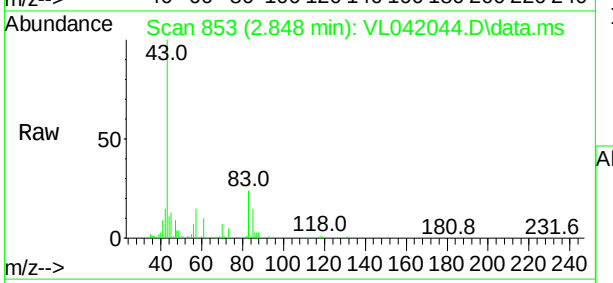
Tgt Ion: 63 Resp: 7396

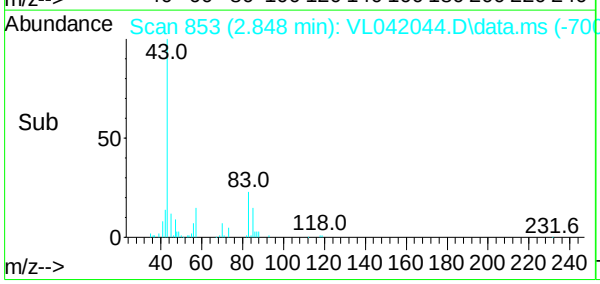
Ion	Ratio	Lower	Upper
63	100		
98	9.2	2.4	7.2#
100	6.4	1.7	5.0#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



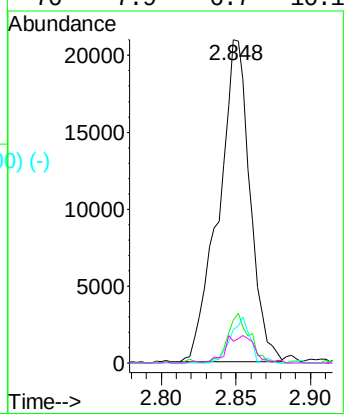


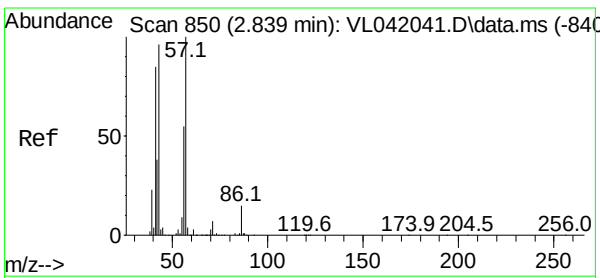


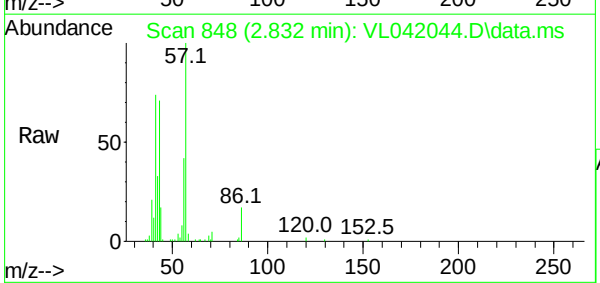
#25
Ethyl Acetate
Concen: 0.423 ppbv
RT: 2.848 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

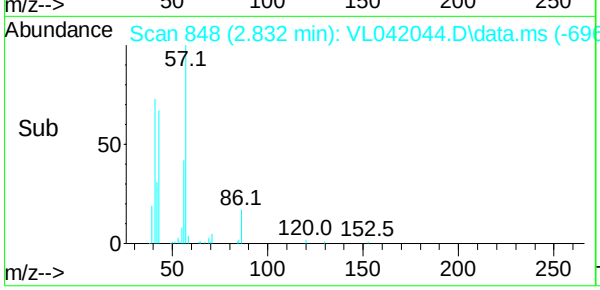
Tgt Ion: 43 Resp: 30593

Ion	Ratio	Lower	Upper
43	100		
45	11.3	8.1	12.1
61	9.2	7.2	10.8
70	7.9	6.7	10.1





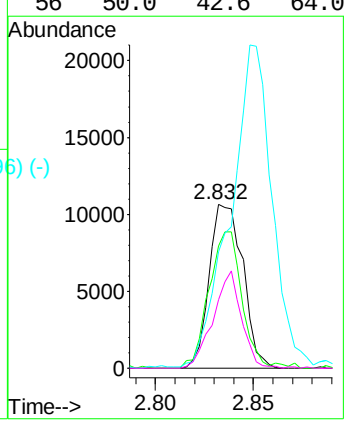




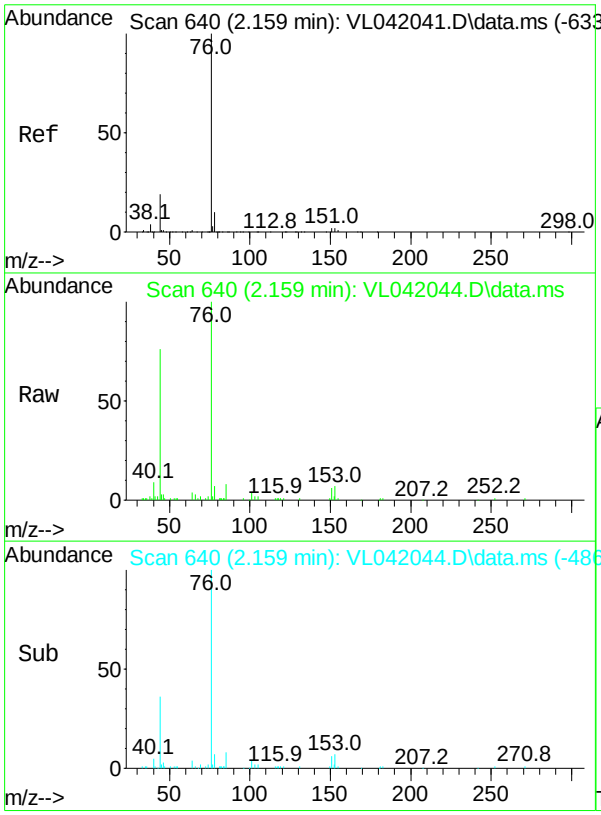
#26
Hexane
Concen: 0.439 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.007 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 57 Resp: 12739

Ion	Ratio	Lower	Upper
57	100		
41	83.6	70.6	106.0
43	250.3	199.4	299.0
56	50.0	42.6	64.0



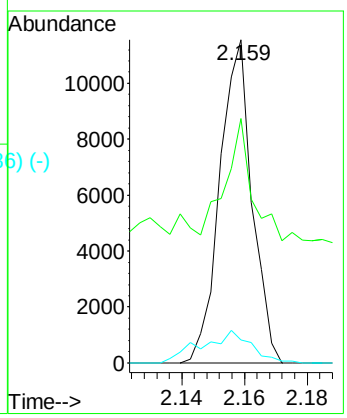
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

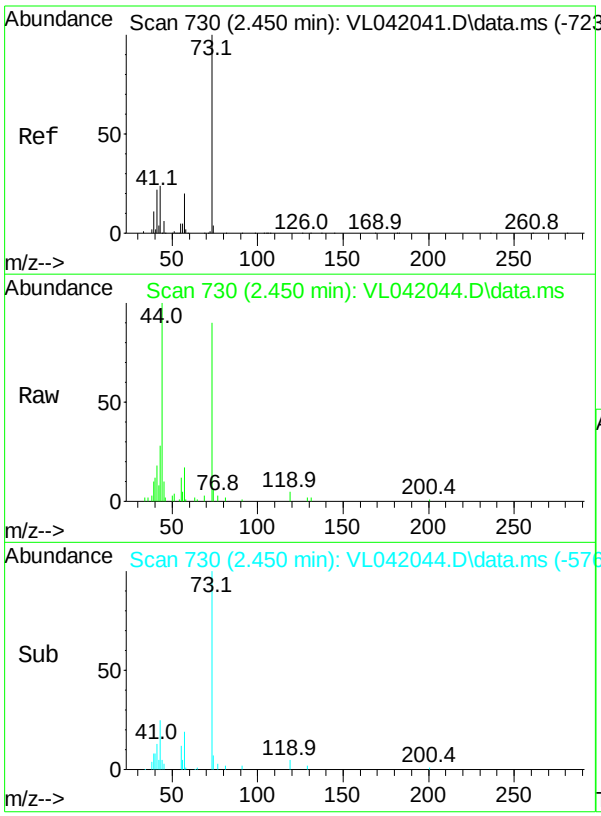


#27
Carbon Disulfide
Concen: 0.305 ppbv
RT: 2.159 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 76 Resp: 8316

Ion	Ratio	Lower	Upper
76	100		
44	79.6	16.2	24.2#
78	15.2	9.4	14.0#

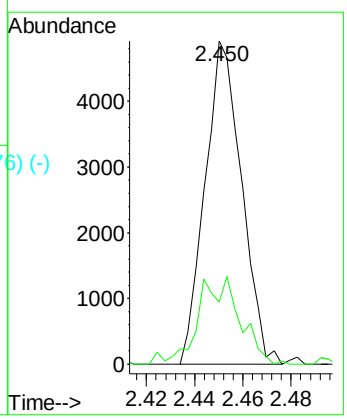




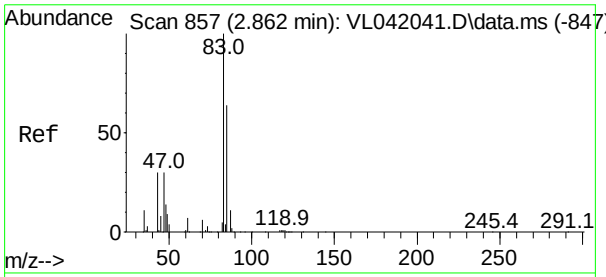
#28
Methyl tert-Butyl Ether
Concen: 0.292 ppbv
RT: 2.450 min Scan# 730
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 73 Resp: 5185

Ion	Ratio	Lower	Upper
73	100		
57	31.8	17.7	26.5#



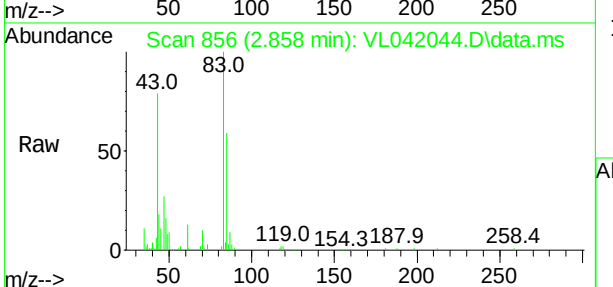
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

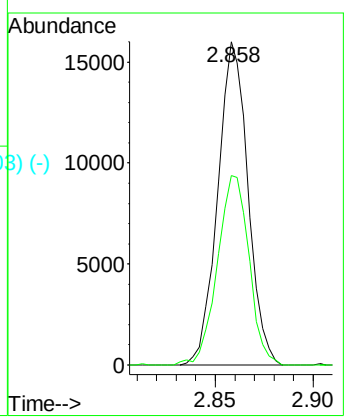


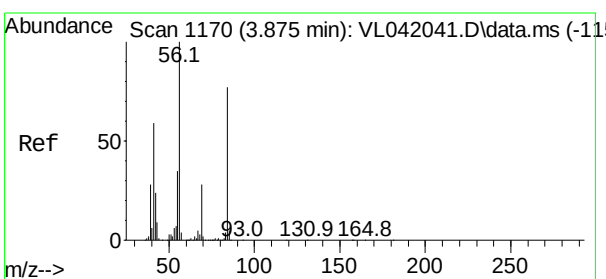
#29
Chloroform
Concen: 0.411 ppbv
RT: 2.858 min Scan# 8
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 83 Resp: 17278

Ion	Ratio	Lower	Upper
83	100		
85	58.6	51.2	76.8



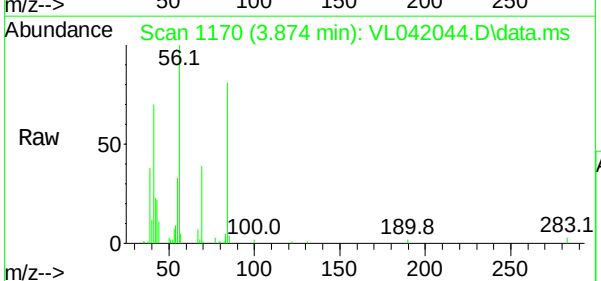


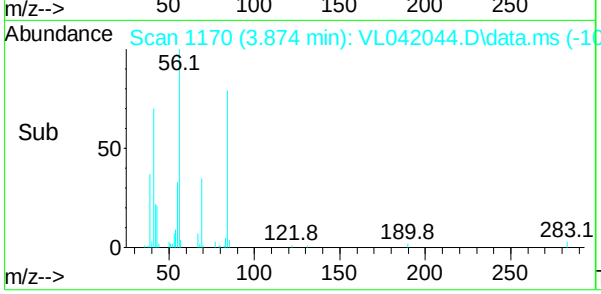


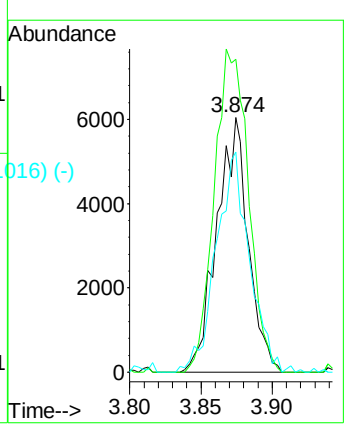
#30
Cyclohexane
Concen: 0.391 ppbv
RT: 3.874 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 84 Resp: 9209

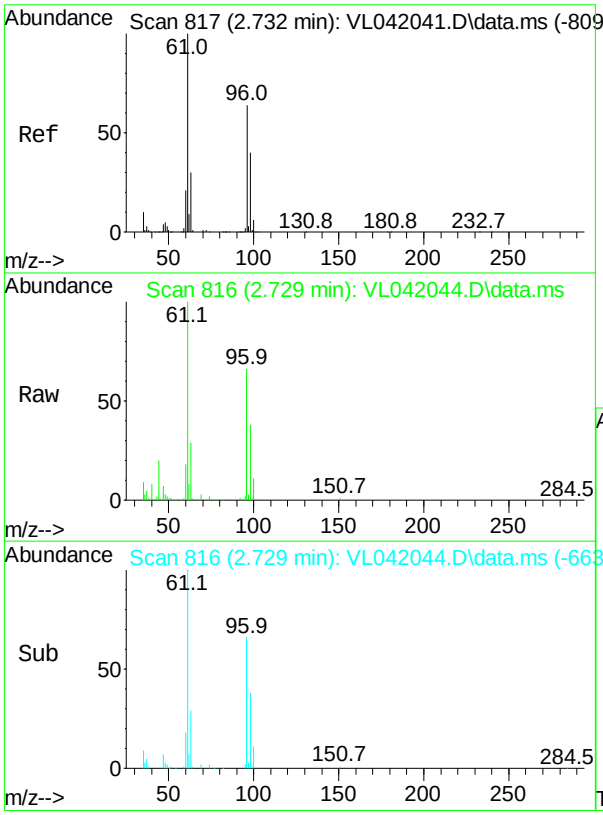
Ion	Ratio	Lower	Upper
84	100		
56	138.5	101.5	152.3
41	92.4	62.6	93.8







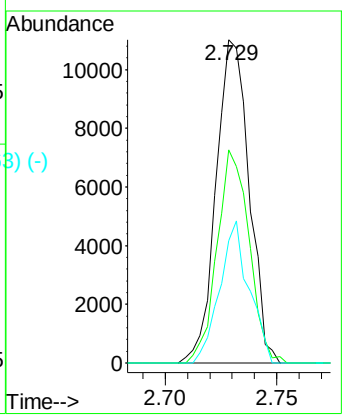
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

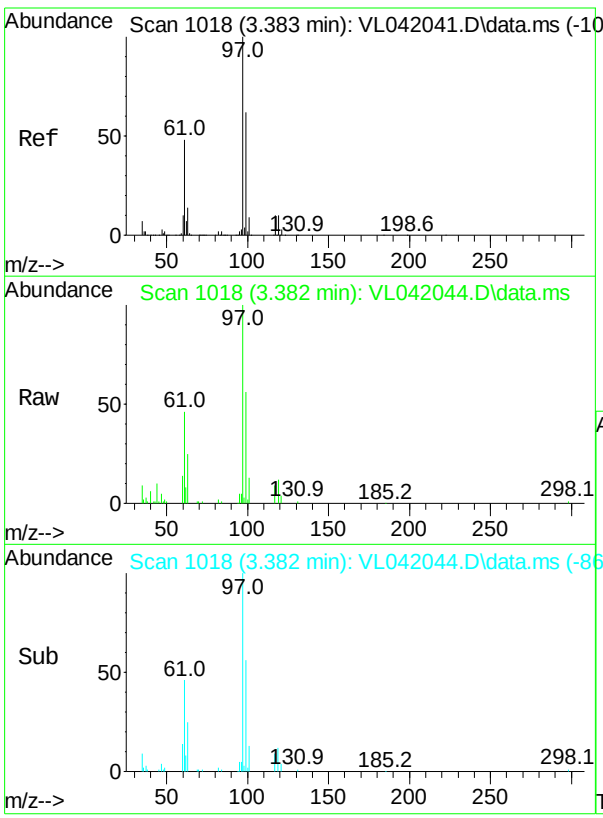


#31
cis-1,2-Dichloroethene
Concen: 0.395 ppbv
RT: 2.729 min Scan# 8
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 61 Resp: 11344

Ion	Ratio	Lower	Upper
61	100		
96	66.0	51.5	77.3
98	37.7	32.0	48.0

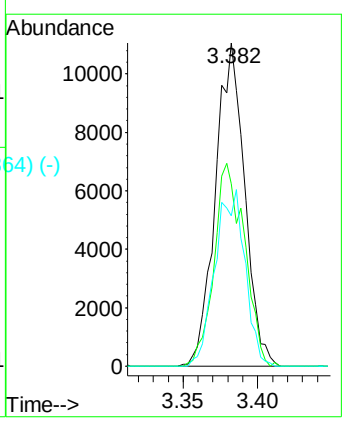


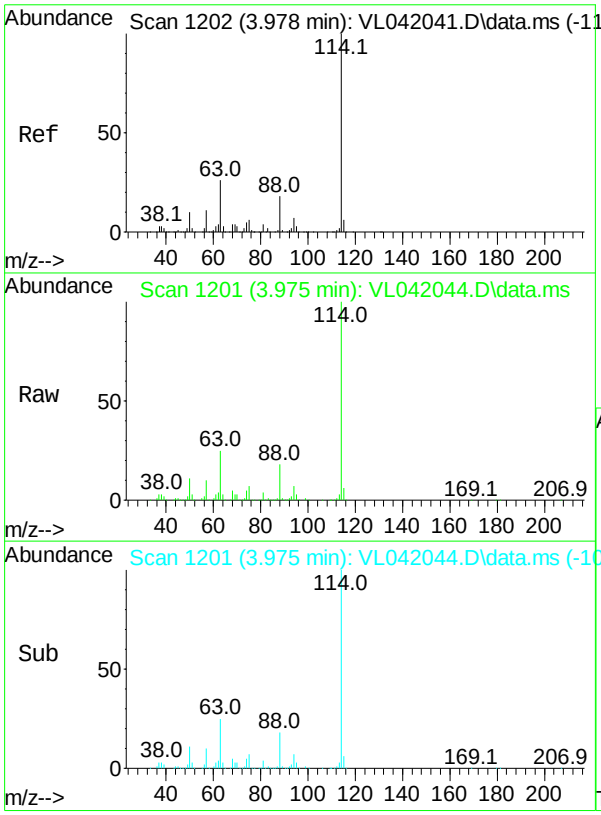


#32
1,1,1-Trichloroethane
Concen: 0.322 ppbv
RT: 3.382 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 97 Resp: 15027

Ion	Ratio	Lower	Upper
97	100		
99	65.0	49.8	74.6
61	55.9	38.9	58.3



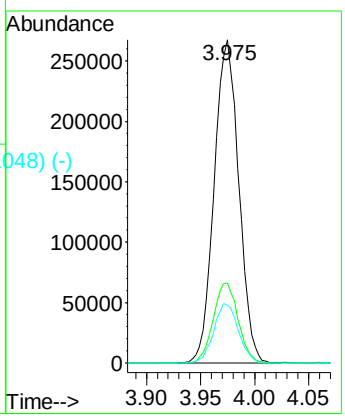


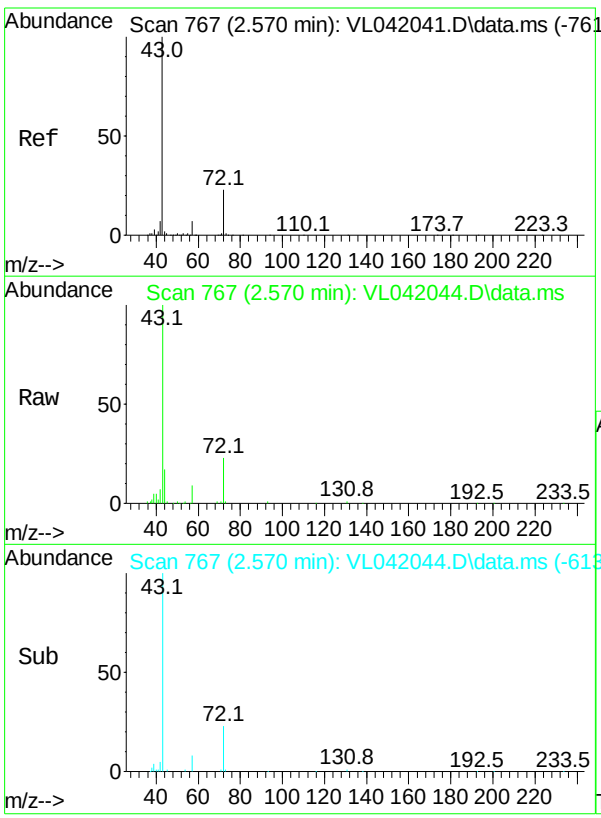
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:114 Resp: 421340

Ion	Ratio	Lower	Upper
114	100		
63	24.9	20.1	30.1
88	18.3	14.3	21.5

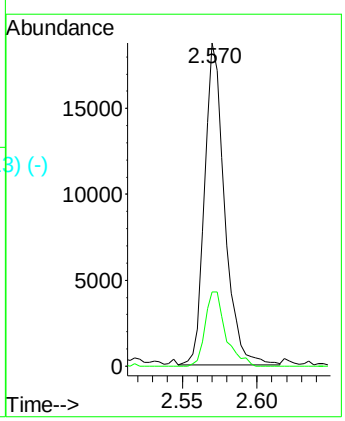




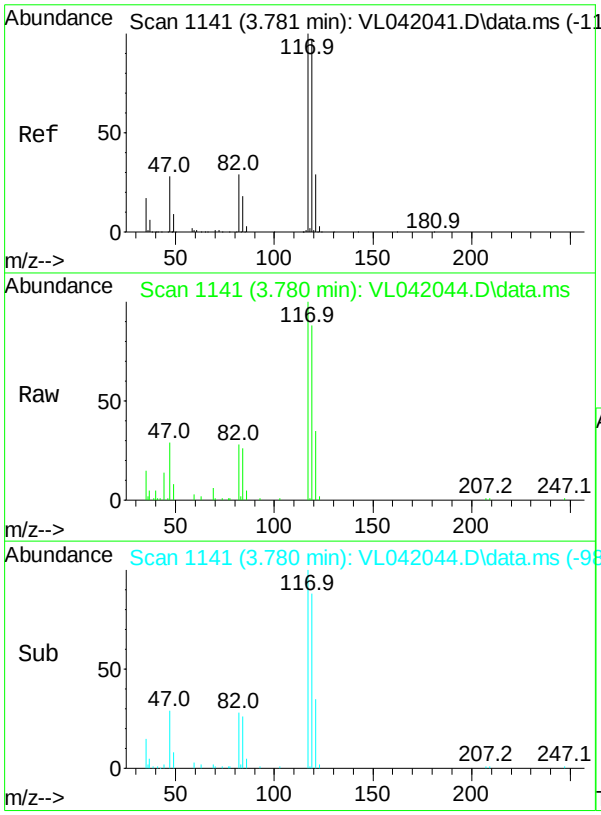
#34
2-Butanone
Concen: 0.484 ppbv
RT: 2.570 min Scan# 767
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 43 Resp: 17555

Ion	Ratio	Lower	Upper
43	100		
72	23.4	18.5	27.7



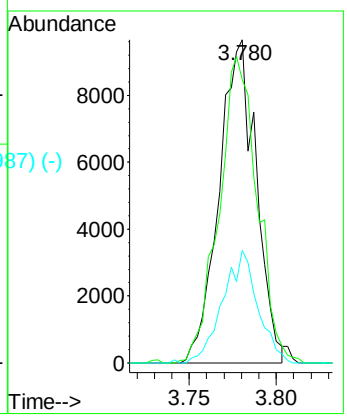
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

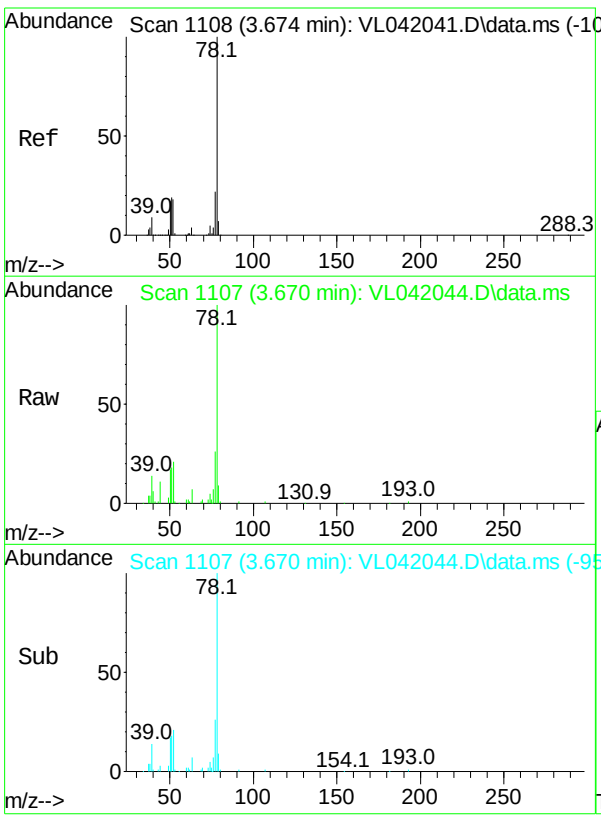


#35
Carbon Tetrachloride
Concen: 0.348 ppbv
RT: 3.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:117 Resp: 14223

Ion	Ratio	Lower	Upper
117	100		
119	87.0	77.8	116.8
121	34.8	23.4	35.0

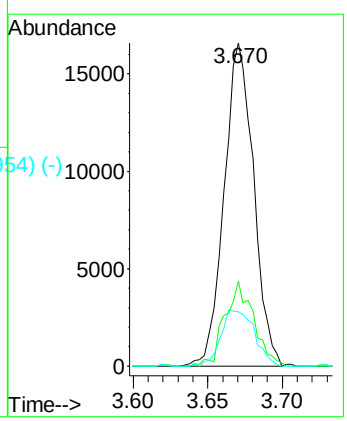




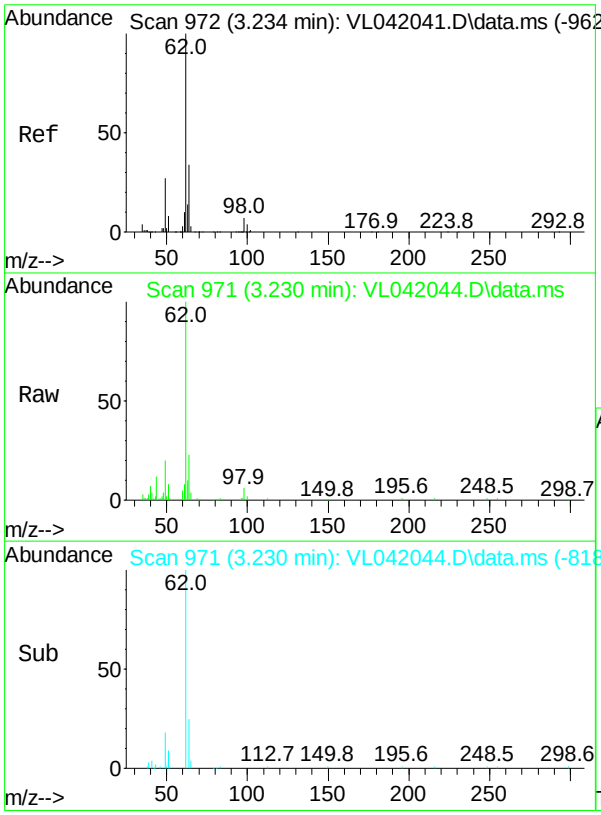
#36
Benzene
Concen: 0.445 ppbv
RT: 3.670 min Scan# 1107
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 78 Resp: 22728

Ion	Ratio	Lower	Upper
78	100		
77	26.3	17.7	26.5
50	16.9	13.9	20.9



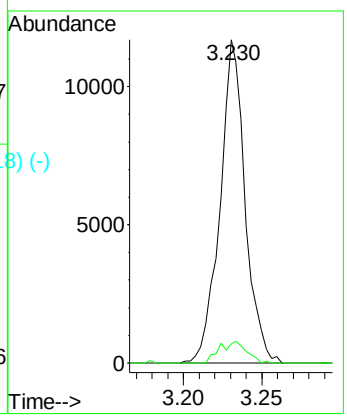
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

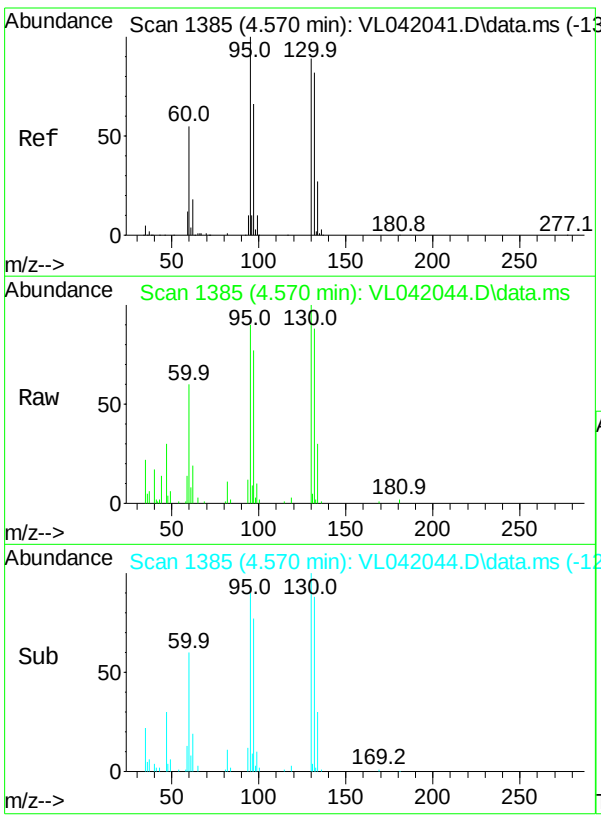


#37
1,2-Dichloroethane
Concen: 0.452 ppbv
RT: 3.230 min Scan# 9
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 62 Resp: 13141

Ion	Ratio	Lower	Upper
62	100		
98	7.1	5.7	8.5

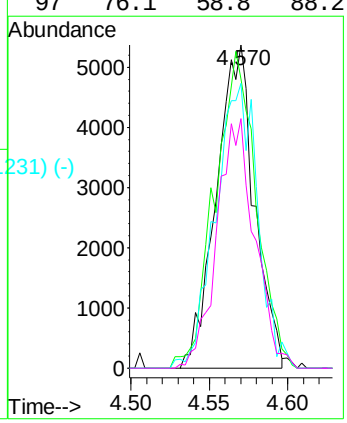




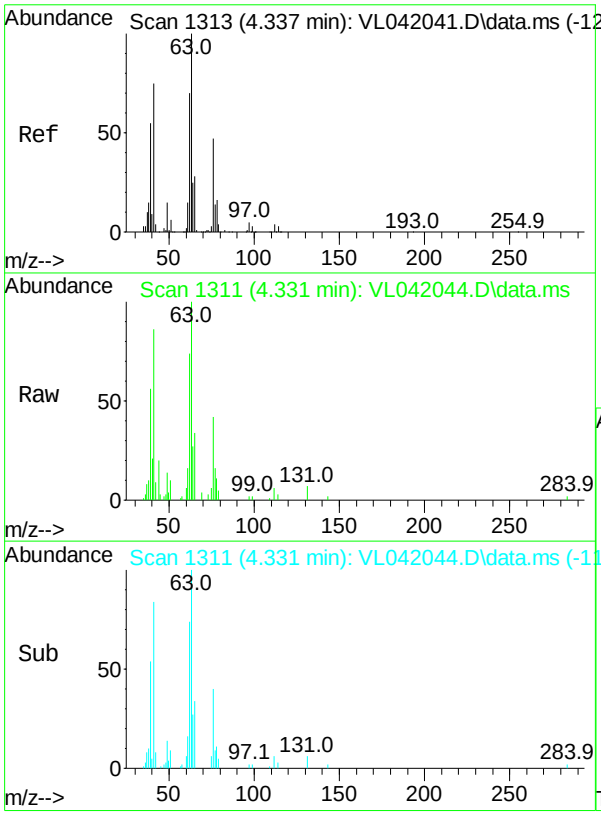
#38
Trichloroethene
Concen: 0.440 ppbv
RT: 4.570 min Scan# 1385
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:130 Resp: 9115

Ion	Ratio	Lower	Upper
130	100		
95	86.1	89.5	134.3#
132	85.3	73.8	110.6
97	76.1	58.8	88.2



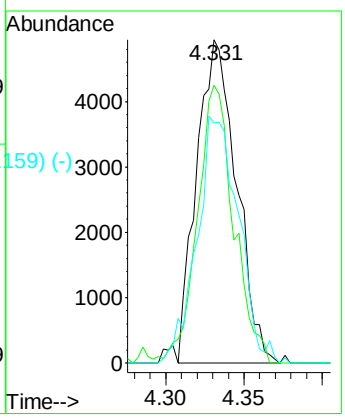
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

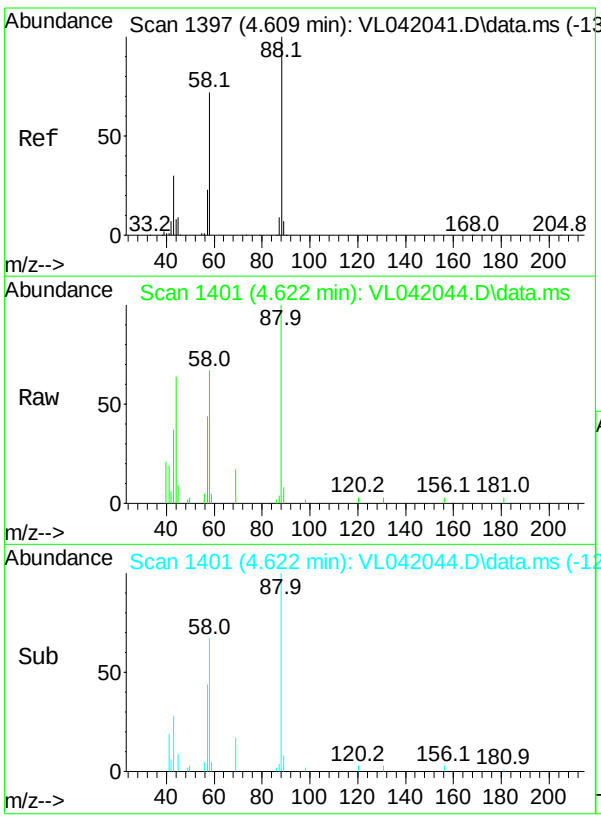


#89
1,2-Dichloropropane
Concen: 0.466 ppbv
RT: 4.331 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 63 Resp: 8723

Ion	Ratio	Lower	Upper
63	100		
41	85.9	60.1	90.1
62	74.3	55.8	83.8

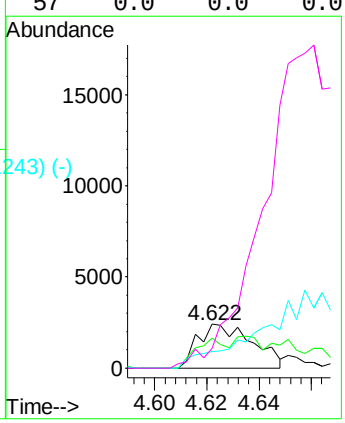




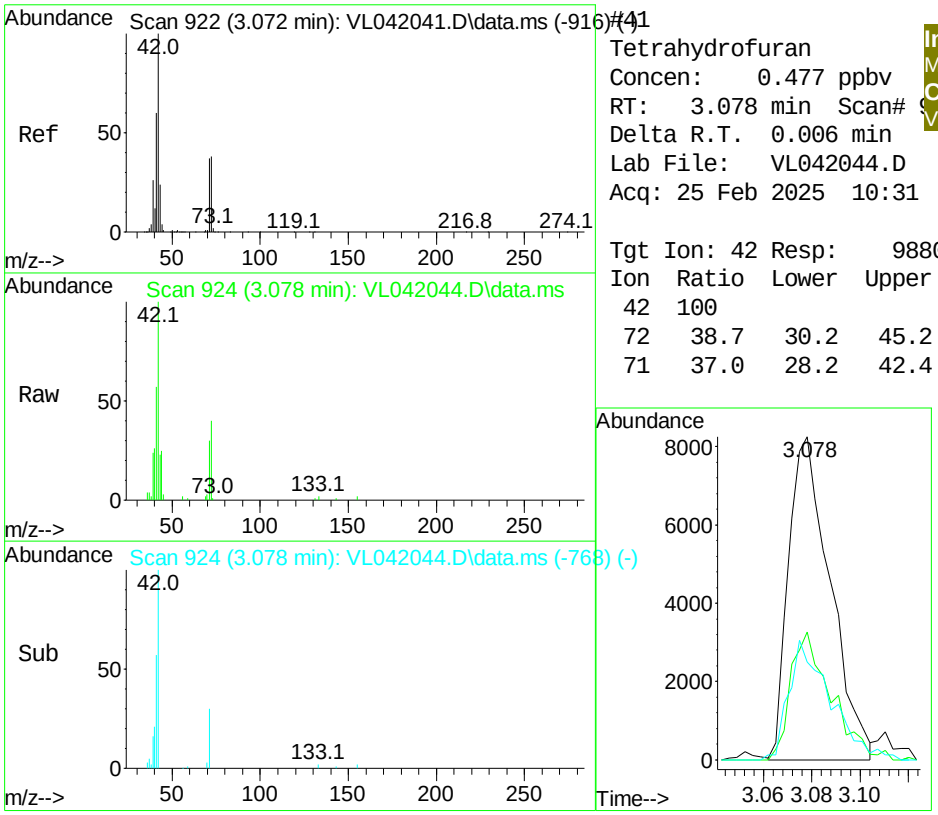
#90
1,4-Dioxane
Concen: 0.357 ppbv
RT: 4.622 min Scan# 1401
Delta R.T. 0.013 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 88 Resp: 3478

Ion	Ratio	Lower	Upper
88	100		
58	137.1	62.6	94.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0



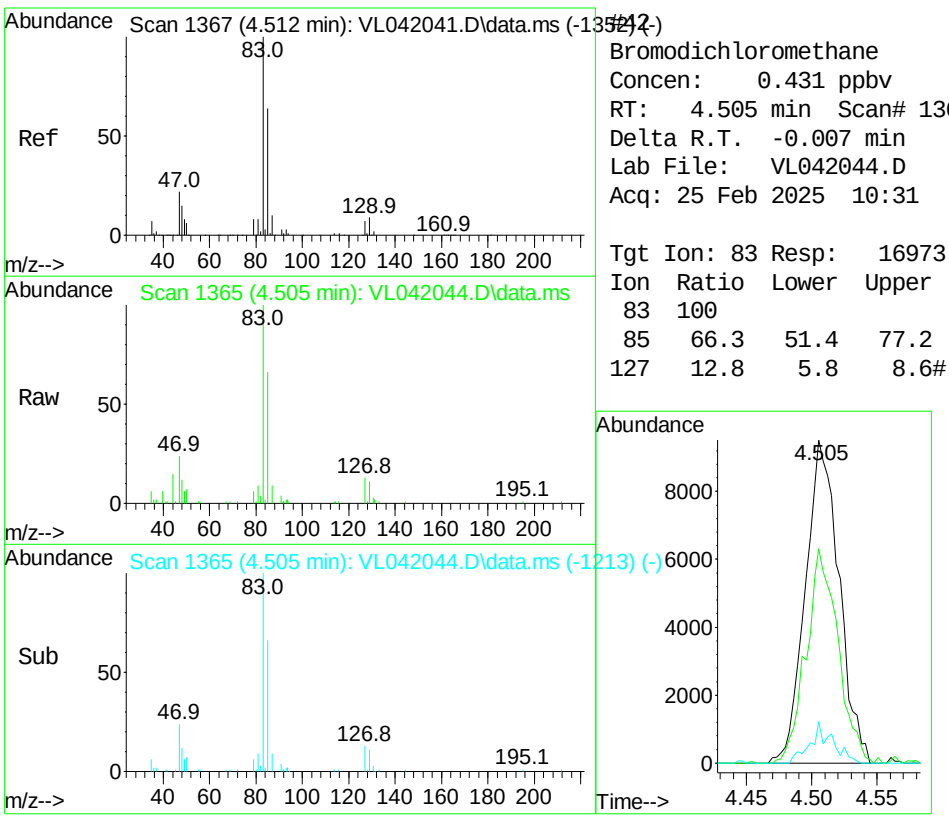
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



#41
Tetrahydrofuran
Concen: 0.477 ppbv
RT: 3.078 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 42 Resp: 9880

Ion	Ratio	Lower	Upper
42	100		
72	38.7	30.2	45.2
71	37.0	28.2	42.4

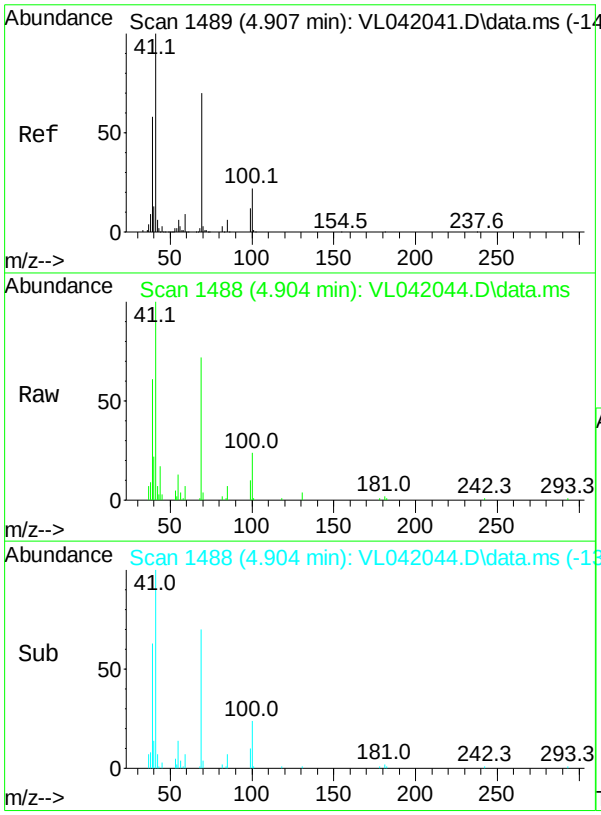


#42
Bromodichloromethane
Concen: 0.431 ppbv
RT: 4.505 min Scan# 1365
Delta R.T. -0.007 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 83 Resp: 16973

Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.4	77.2
127	12.8	5.8	8.6#

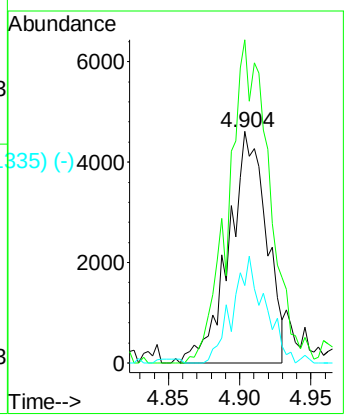
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

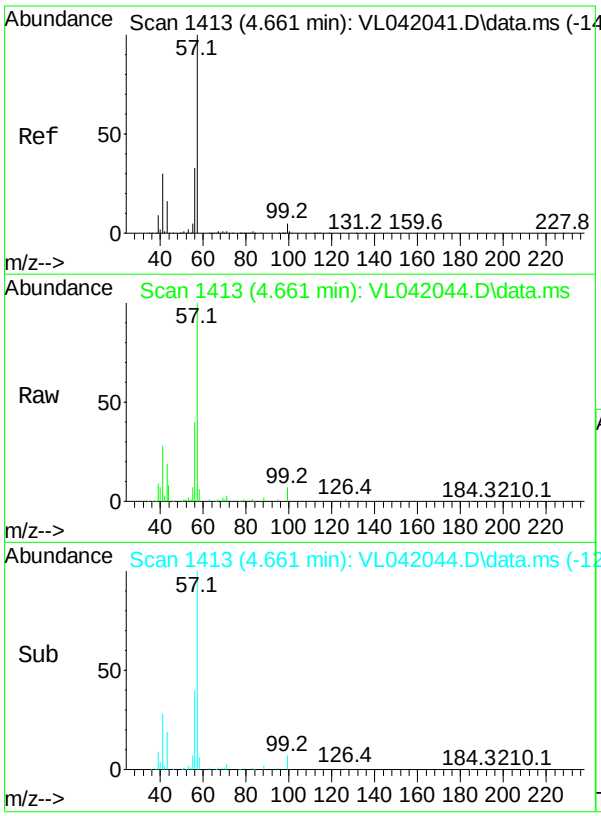


#43
Methyl Methacrylate
Concen: 0.362 ppbv
RT: 4.904 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 69 Resp: 8428

Ion	Ratio	Lower	Upper
69	100		
41	154.6	118.2	177.4
100	40.2	27.0	40.4

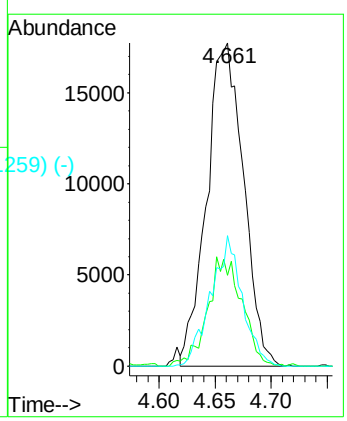




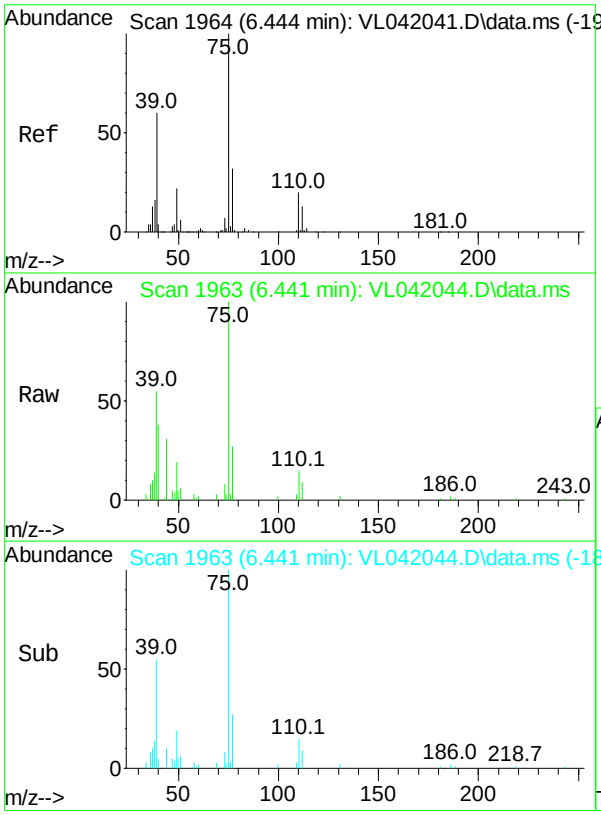
#44
2,2,4-Trimethylpentane
Concen: 0.469 ppbv
RT: 4.661 min Scan# 1413
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 57 Resp: 40623

Ion	Ratio	Lower	Upper
57	100		
41	32.0	24.4	36.6
56	34.1	26.5	39.7



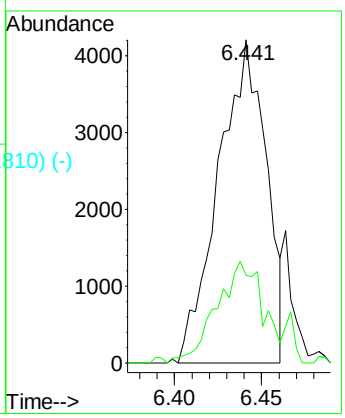
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

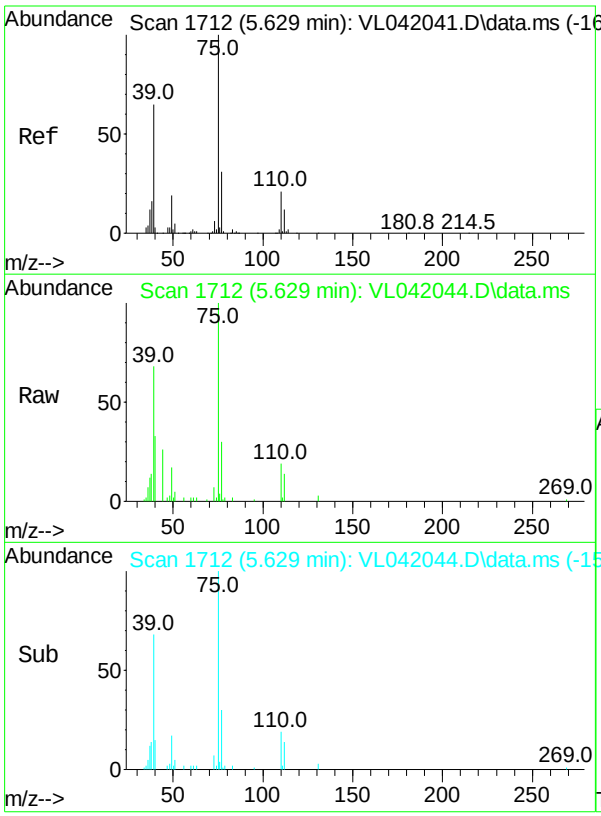


#45
t-1,3-Dichloropropene
Concen: 0.364 ppbv
RT: 6.441 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 75 Resp: 8004

Ion	Ratio	Lower	Upper
75	100		
77	27.0	25.9	38.9

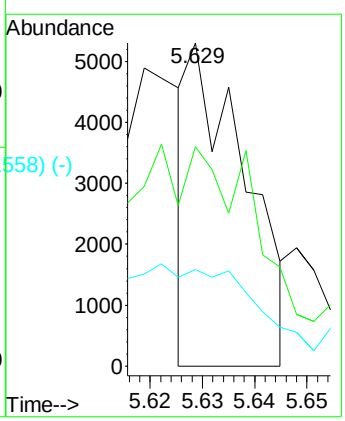




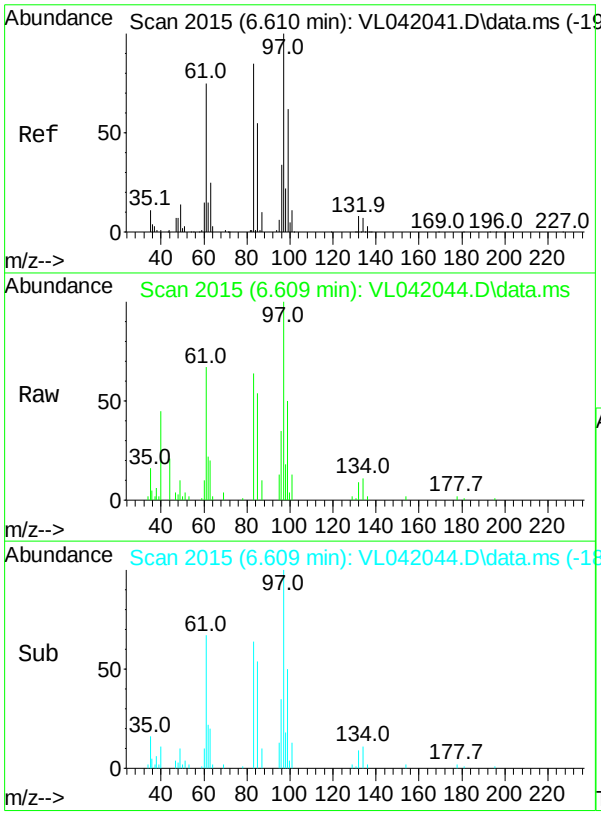
#46
cis-1,3-Dichloropropene
Concen: 0.145 ppbv
RT: 5.629 min Scan# 1712
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 75 Resp: 4036

Ion	Ratio	Lower	Upper
75	100		
39	55.1	51.9	77.9
77	26.6	24.9	37.3



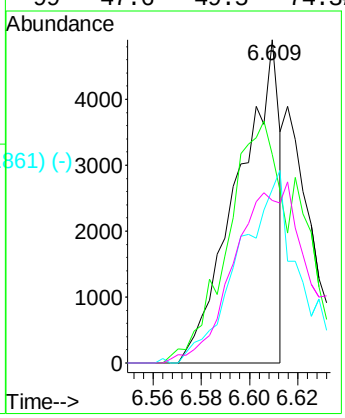
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

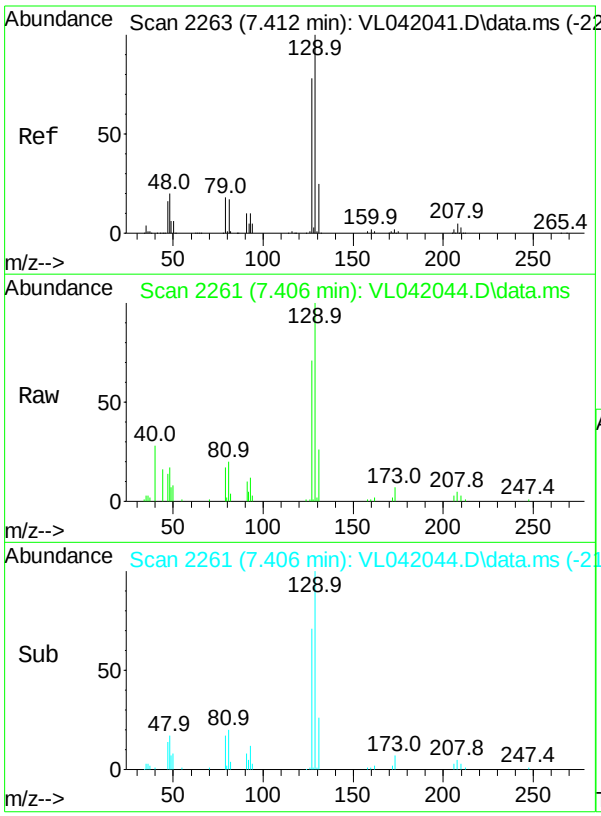


#47
1,1,2-Trichloroethane
Concen: 0.300 ppbv
RT: 6.609 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 97 Resp: 5914

Ion	Ratio	Lower	Upper
97	100		
83	60.2	68.1	102.1#
85	53.7	44.0	66.0
99	47.6	49.5	74.3#

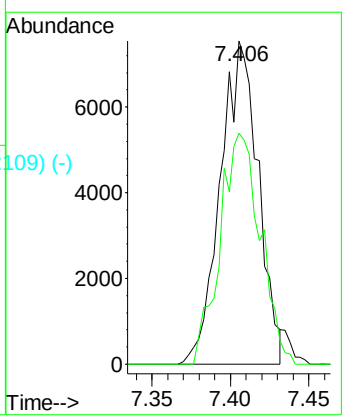




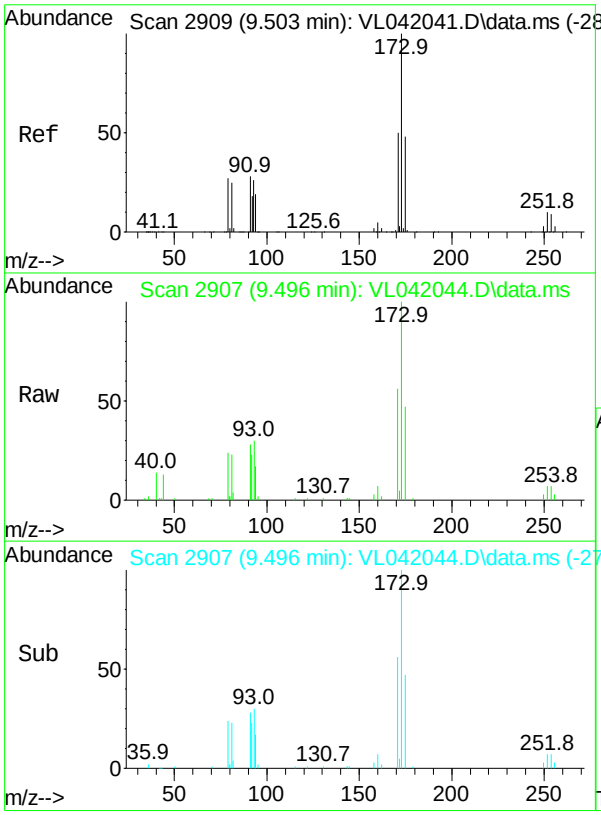
#48
Dibromochloromethane
Concen: 0.384 ppbv
RT: 7.406 min Scan# 2261
Delta R.T. -0.007 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:129 Resp: 12677

Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.6	115.8



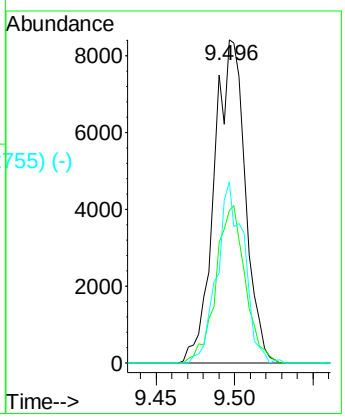
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

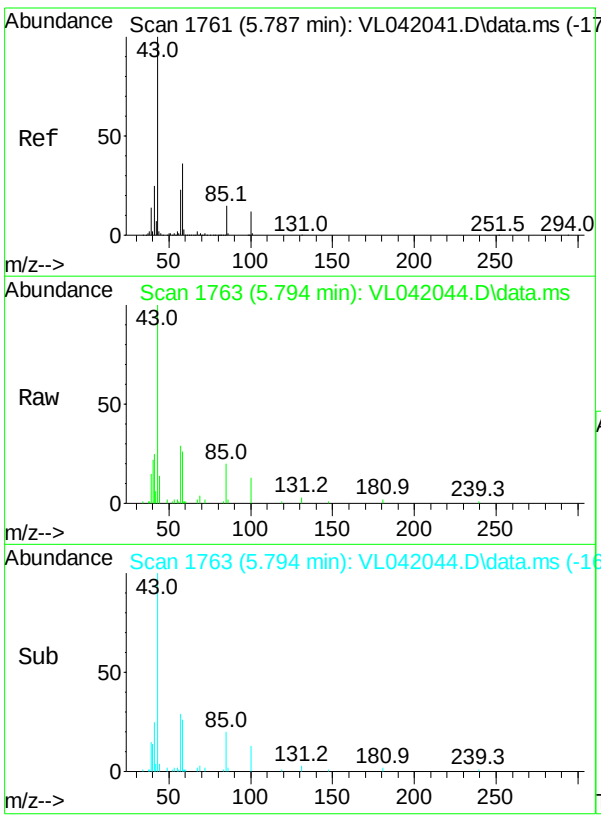


#49
Bromoform
Concen: 0.430 ppbv
RT: 9.496 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:173 Resp: 11640

Ion	Ratio	Lower	Upper
173	100		
175	46.0	38.3	57.5
171	48.8	40.2	60.2

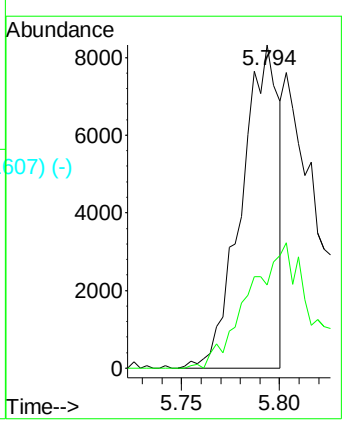




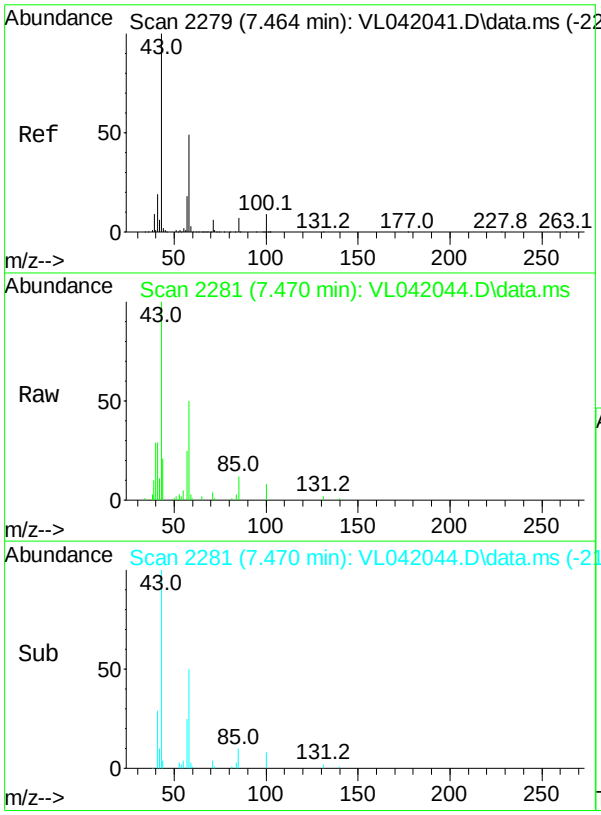
#50
4-Methyl-2-Pentanone
Concen: 0.198 ppbv
RT: 5.794 min Scan# 1763
Delta R.T. 0.006 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 43 Resp: 11029

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.3	43.9#



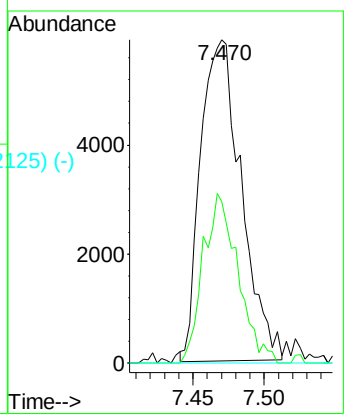
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

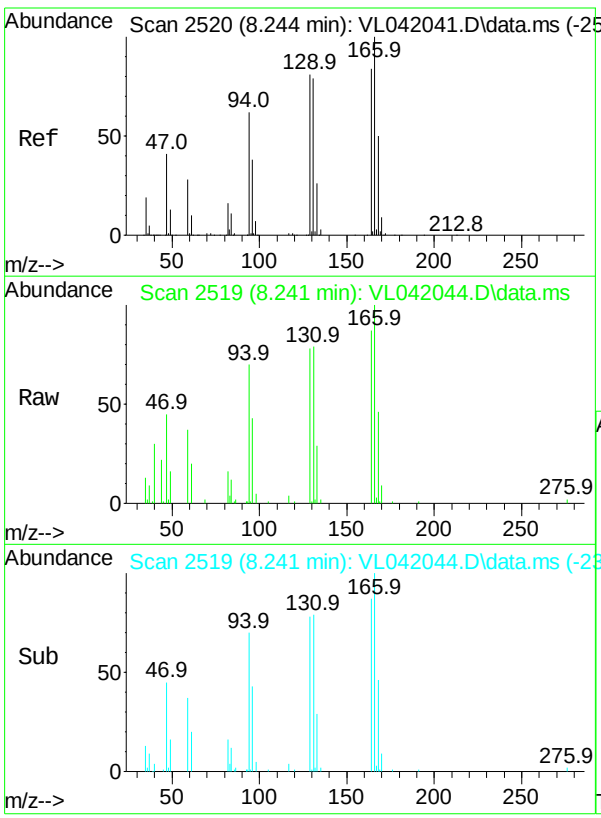


#51
2-Hexanone
Concen: 0.257 ppbv
RT: 7.470 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 43 Resp: 11717

Ion	Ratio	Lower	Upper
43	100		
58	45.4	39.0	58.6
98	0.0	0.1	0.1#

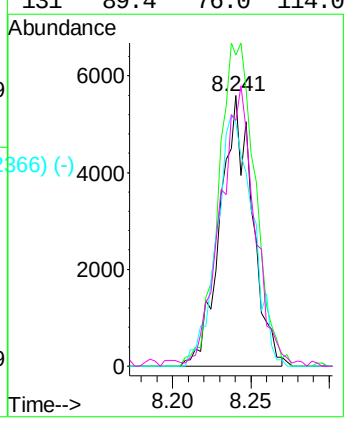




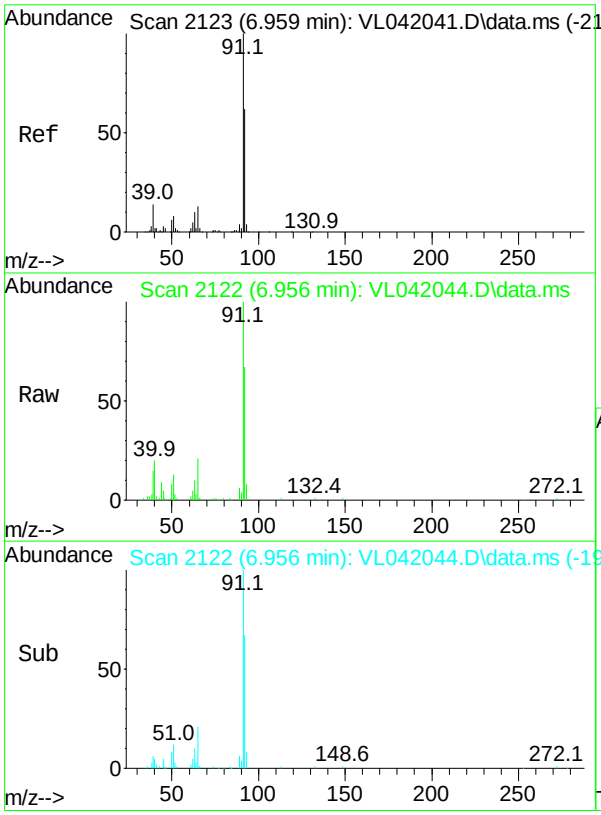
#52
Tetrachloroethene
Concen: 0.450 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:164 Resp: 8012

Ion	Ratio	Lower	Upper
164	100		
166	114.8	95.7	143.5
129	89.8	77.1	115.7
131	89.4	76.0	114.0



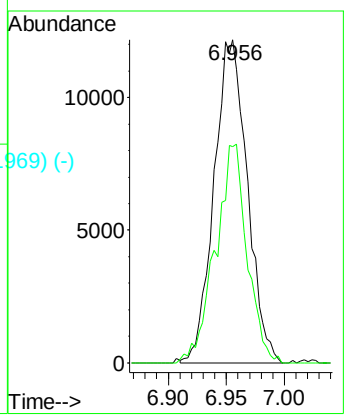
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

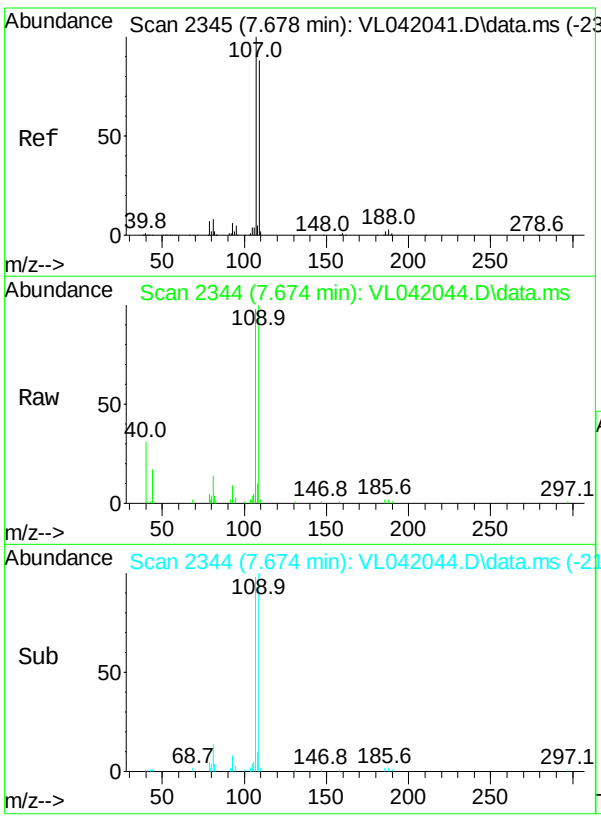


#53
Toluene
Concen: 0.398 ppbv
RT: 6.956 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 91 Resp: 24224

Ion	Ratio	Lower	Upper
91	100		
92	64.4	49.0	73.6

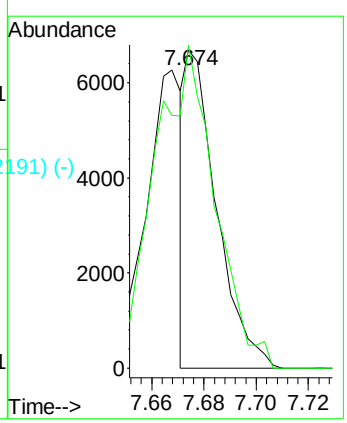




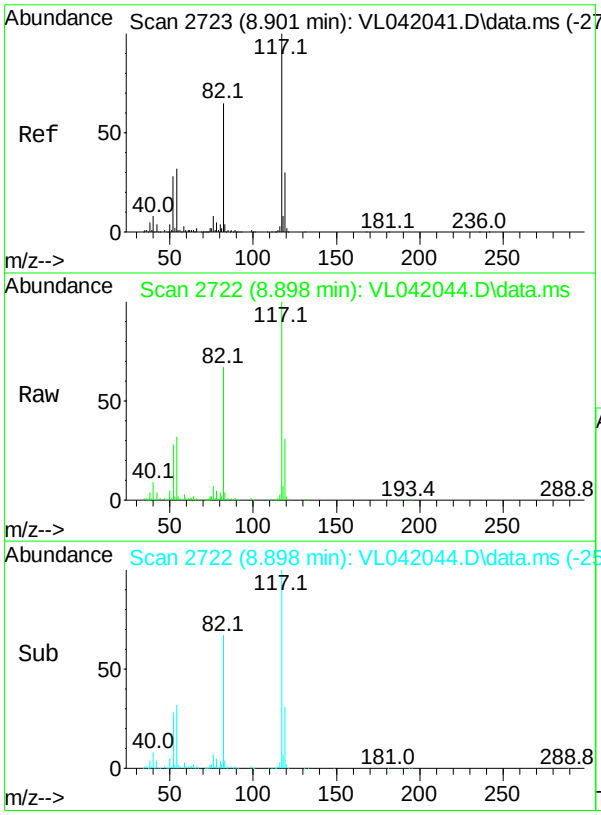
#54
1,2-Dibromoethane
Concen: 0.205 ppbv
RT: 7.674 min Scan# 2344
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:107 Resp: 5550

Ion	Ratio	Lower	Upper
107	100		
109	101.6	70.2	105.4



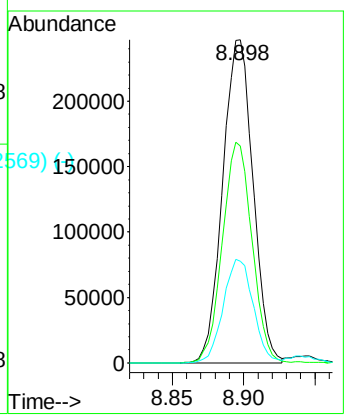
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

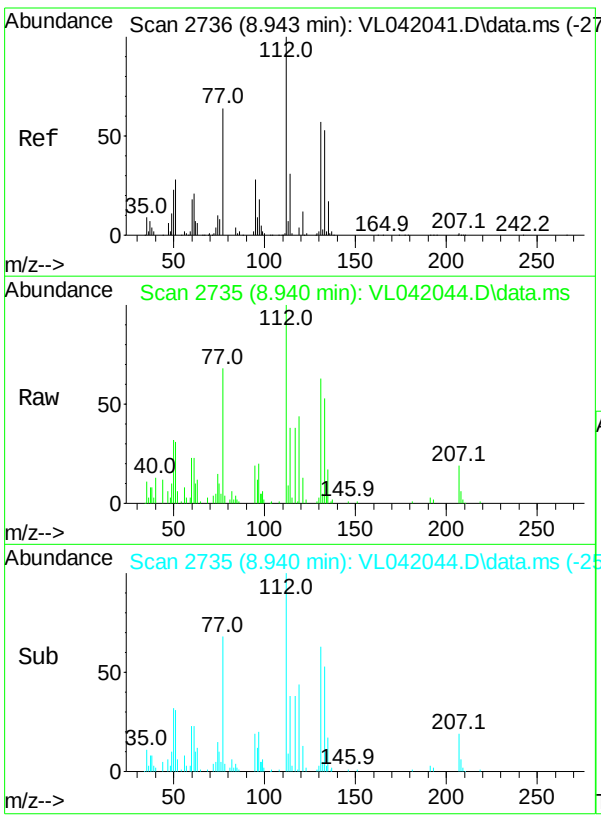


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:117 Resp: 365954

Ion	Ratio	Lower	Upper
117	100		
82	66.8	55.0	82.6
119	33.5	25.9	38.9

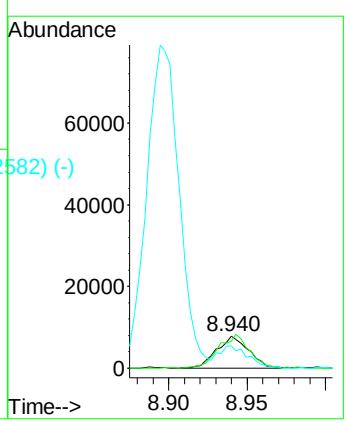




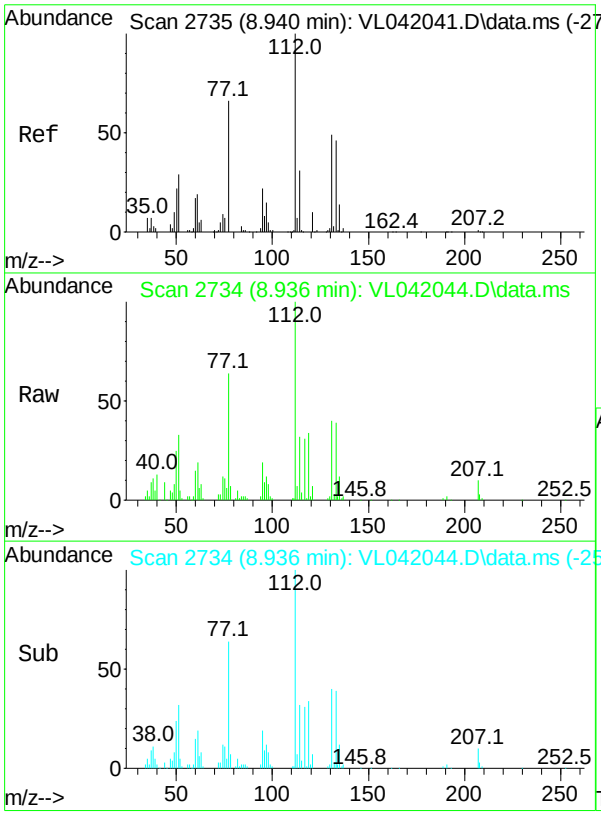
#56
1,1,1,2-Tetrachloroethane
Concen: 0.424 ppbv
RT: 8.940 min Scan# 2735
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:131 Resp: 11100

Ion	Ratio	Lower	Upper
131	100		
133	103.4	75.8	113.8
119	0.0	52.1	78.1#



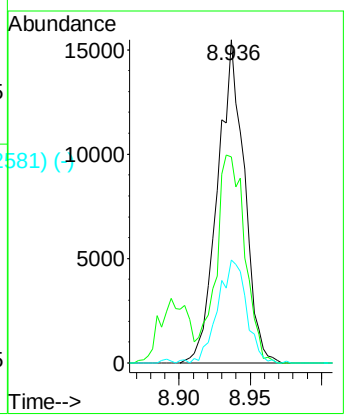
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

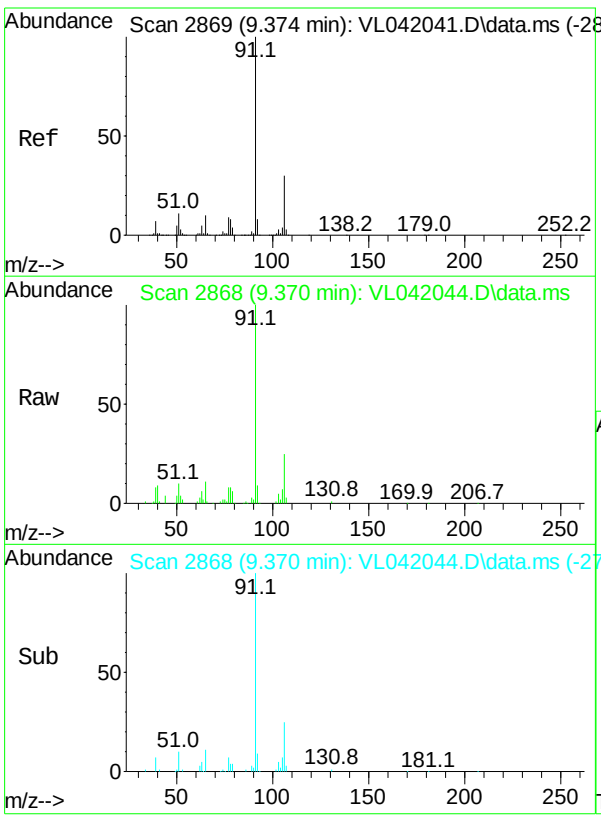


#57
Chlorobenzene
Concen: 0.468 ppbv
RT: 8.936 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:112 Resp: 20167

Ion	Ratio	Lower	Upper
112	100		
77	63.8	53.4	80.2
114	31.9	28.3	34.5

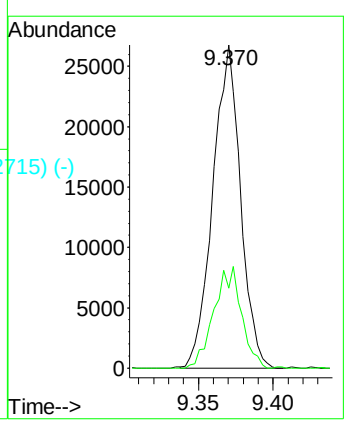




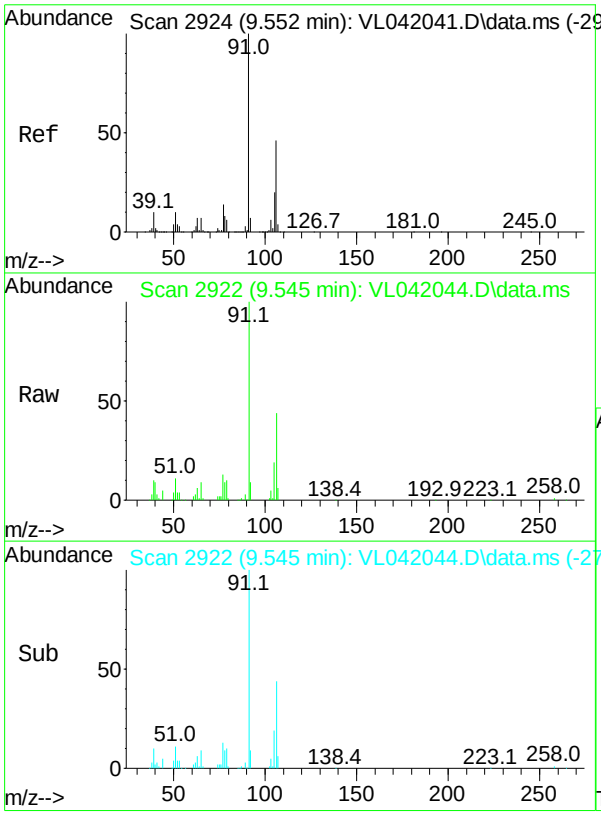
#58
Ethyl Benzene
Concen: 0.431 ppbv
RT: 9.370 min Scan# 2868
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 91 Resp: 34506

Ion	Ratio	Lower	Upper
91	100		
106	24.8	24.2	36.2



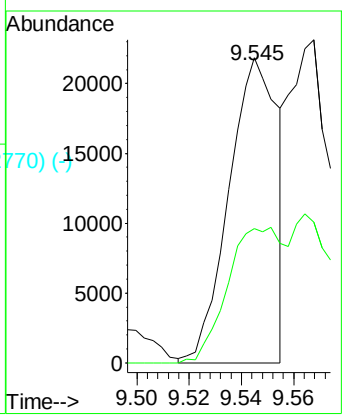
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

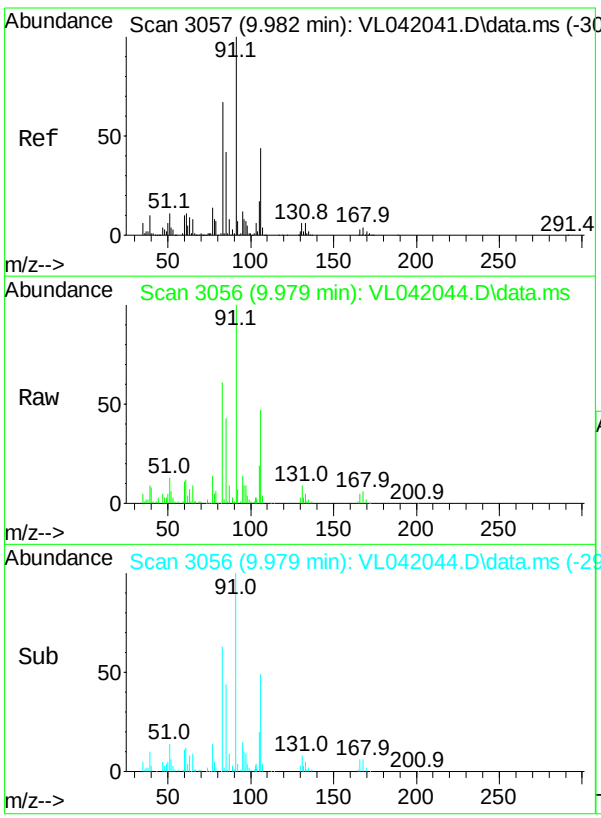


#59
m/p-Xylene
Concen: 0.446 ppbv
RT: 9.545 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 91 Resp: 28109

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

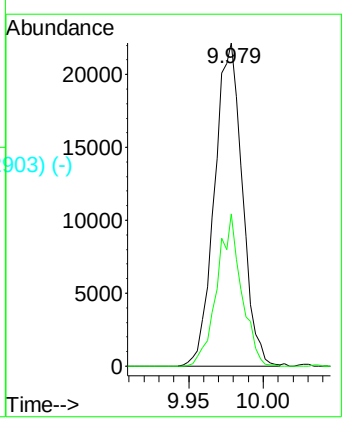




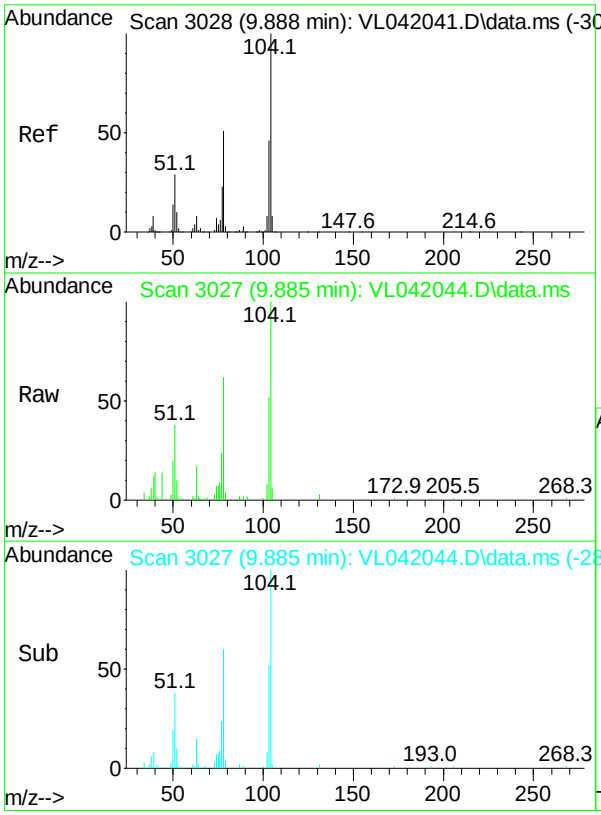
#60
o-Xylene
Concen: 0.451 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 91 Resp: 28757

Ion	Ratio	Lower	Upper
91	100		
106	41.3	22.3	66.8



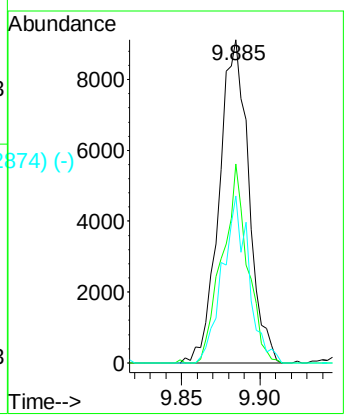
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

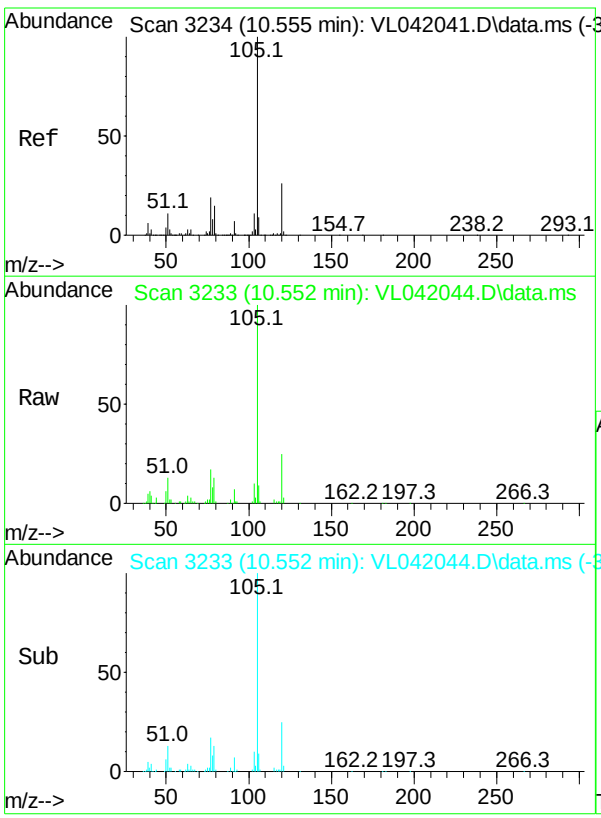


#61
Styrene
Concen: 0.396 ppbv
RT: 9.885 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:104 Resp: 12051

Ion	Ratio	Lower	Upper
104	100		
78	52.9	41.0	61.4
103	46.1	37.0	55.6

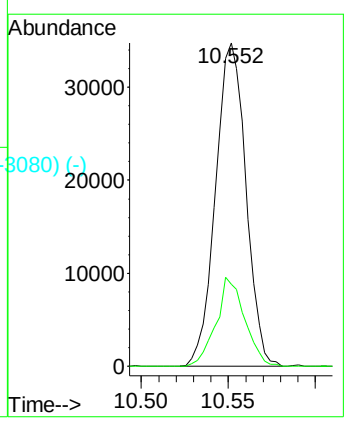


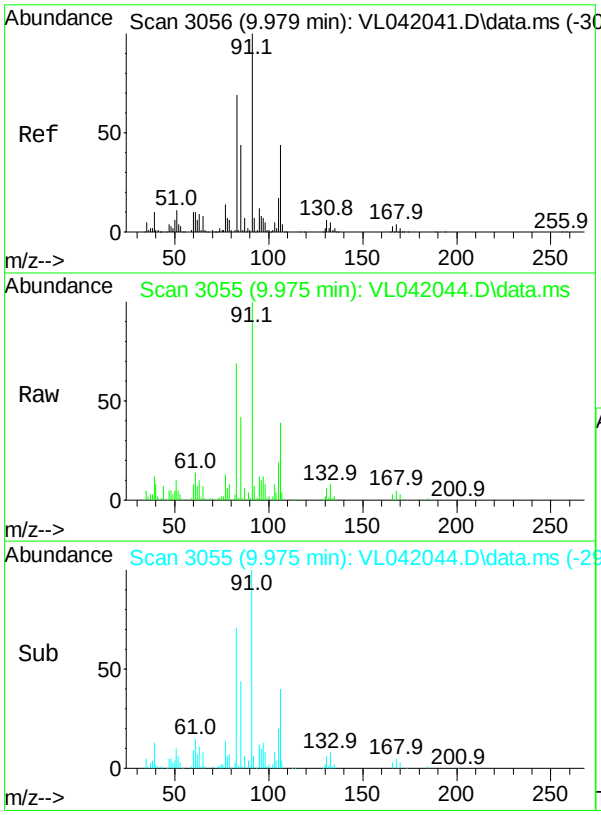


#62
Isopropylbenzene
Concen: 0.439 ppbv
RT: 10.552 min Scan# 3233
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:105 Resp: 42074

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.7	31.1



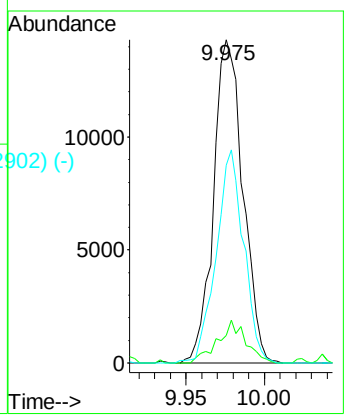


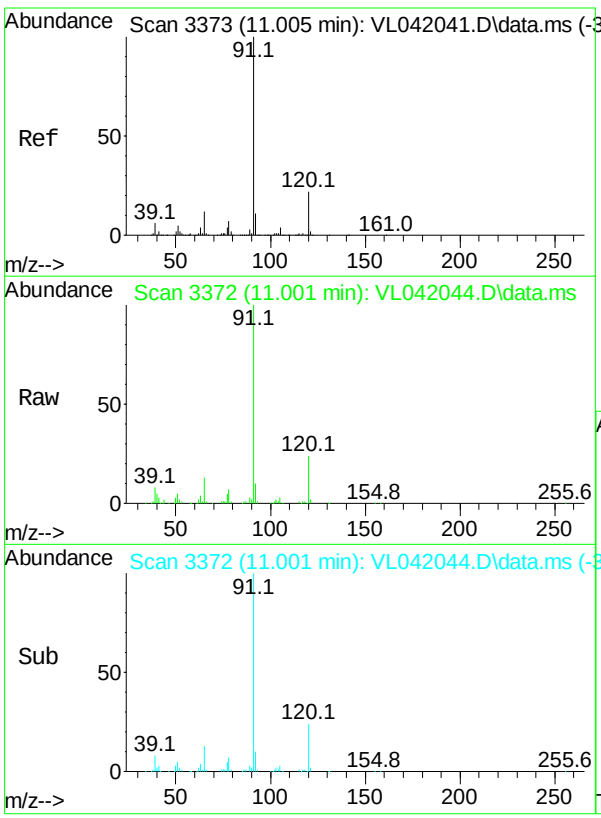
#63
1,1,2,2-Tetrachloroethan
Concen: 0.456 ppbv
RT: 9.975 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 18774

Ion	Ratio	Lower	Upper
83	100		
131	12.5	4.5	13.7
85	61.7	32.1	96.3

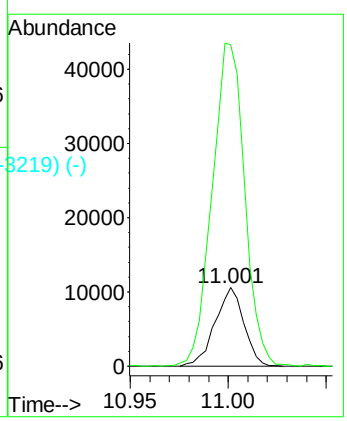




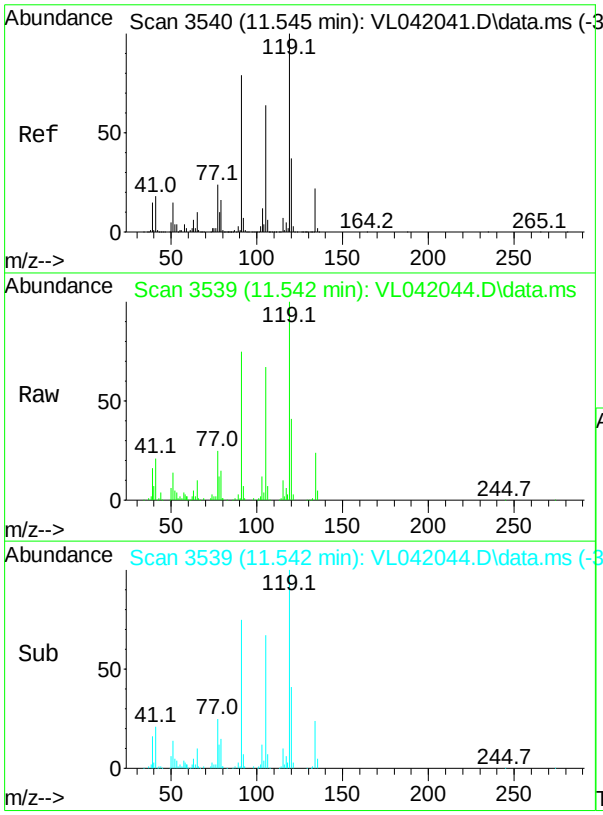
#64
n-propylbenzene
Concen: 0.463 ppbv
RT: 11.001 min Scan# 3372
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:120 Resp: 10900

Ion	Ratio	Lower	Upper
120	100		
91	464.2	370.6	556.0



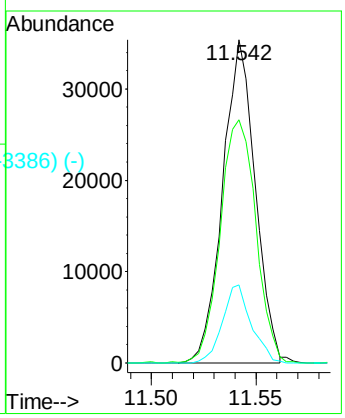
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

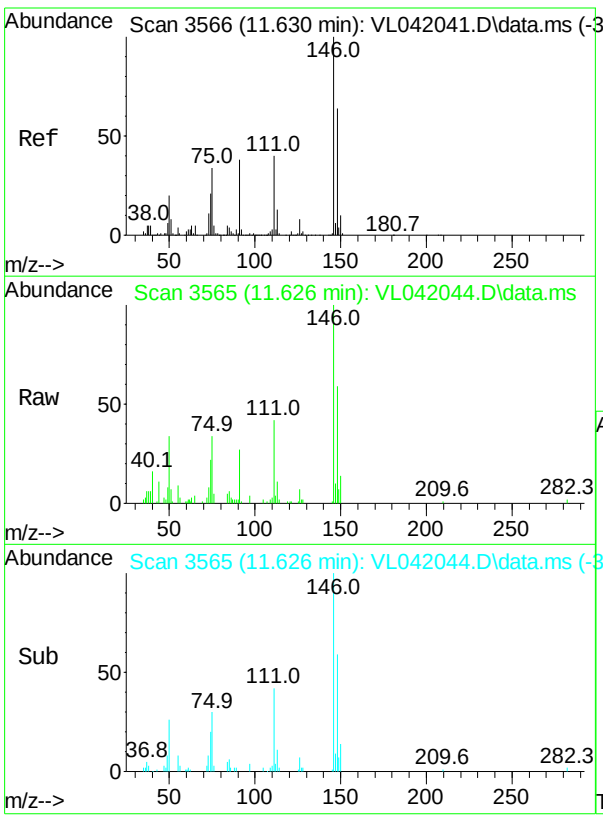


#65
tert-Butylbenzene
Concen: 0.456 ppbv
RT: 11.542 min Scan# 3
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:119 Resp: 38066

Ion	Ratio	Lower	Upper
119	100		
91	82.9	64.2	96.2
134	21.5	17.4	26.2

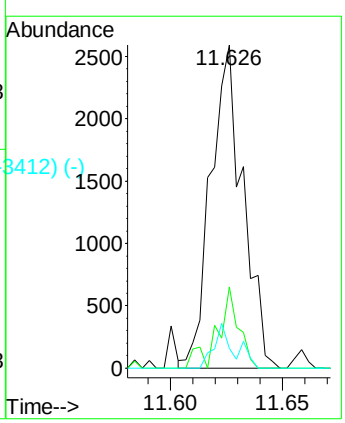




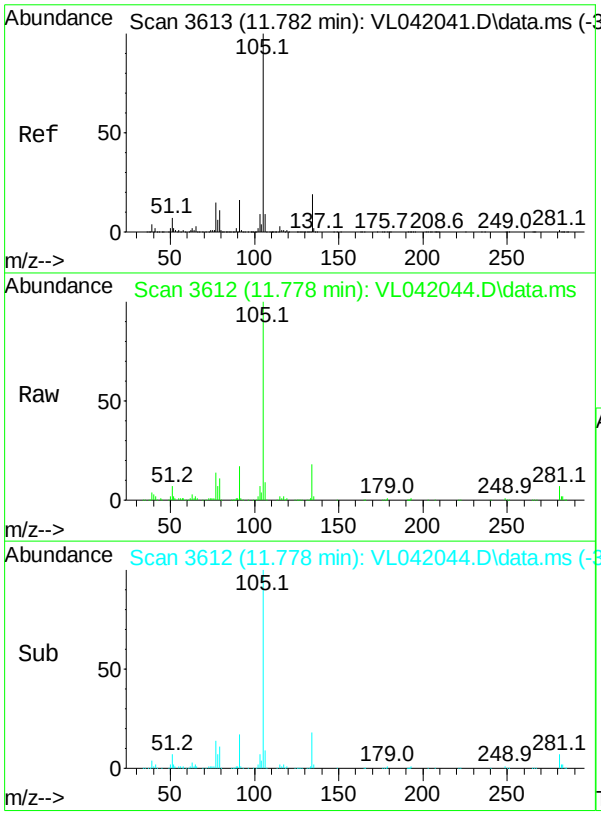
#66
Benzyl Chloride
Concen: 0.309 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 91 Resp: 2589

Ion	Ratio	Lower	Upper
91	100		
126	16.8	14.5	21.7
128	8.7	5.4	8.2#



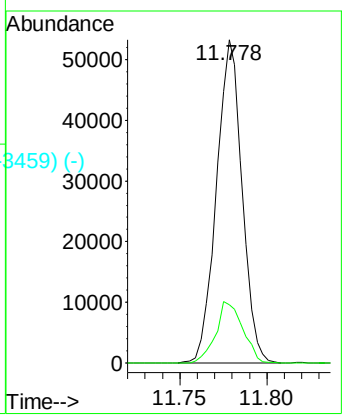
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

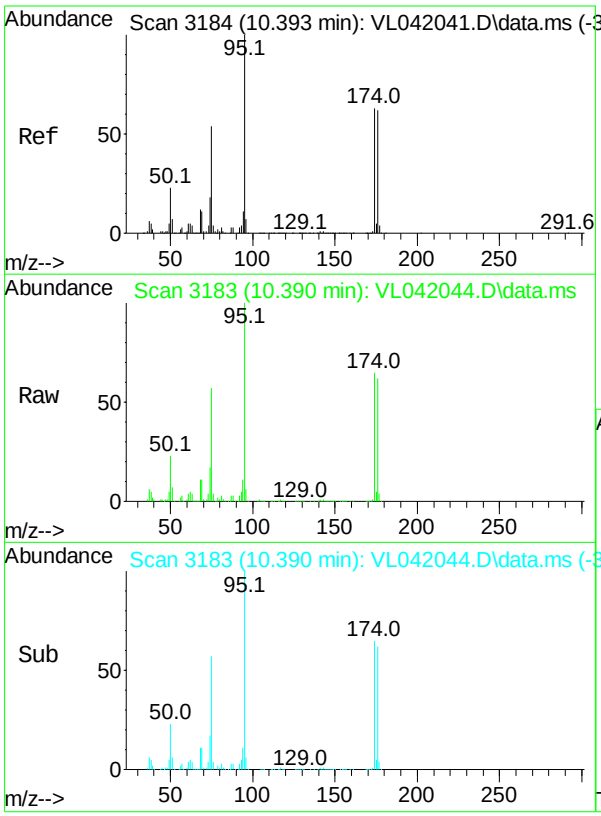


#87
sec-Butylbenzene
Concen: 0.464 ppbv
RT: 11.778 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:105 Resp: 54394

Ion	Ratio	Lower	Upper
105	100		
134	19.9	14.9	22.3

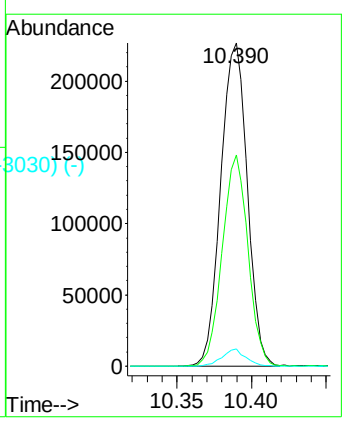




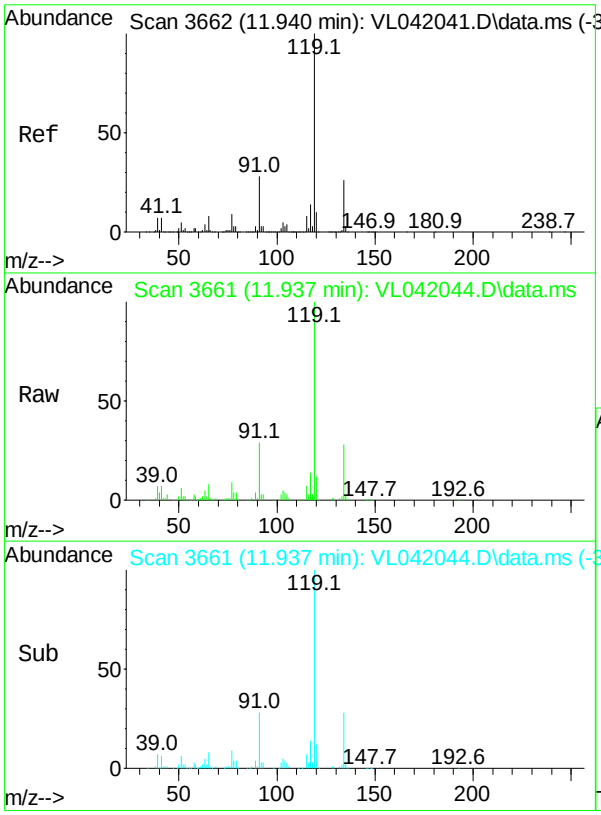
#88
1-Bromo-4-Fluorobenzene
Concen: 9.310 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 95 Resp: 281042

Ion	Ratio	Lower	Upper
95	100		
174	63.4	51.8	77.6
175	4.6	3.9	5.9



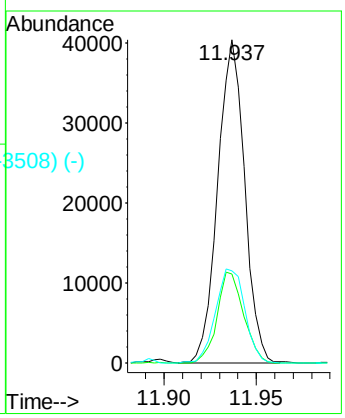
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

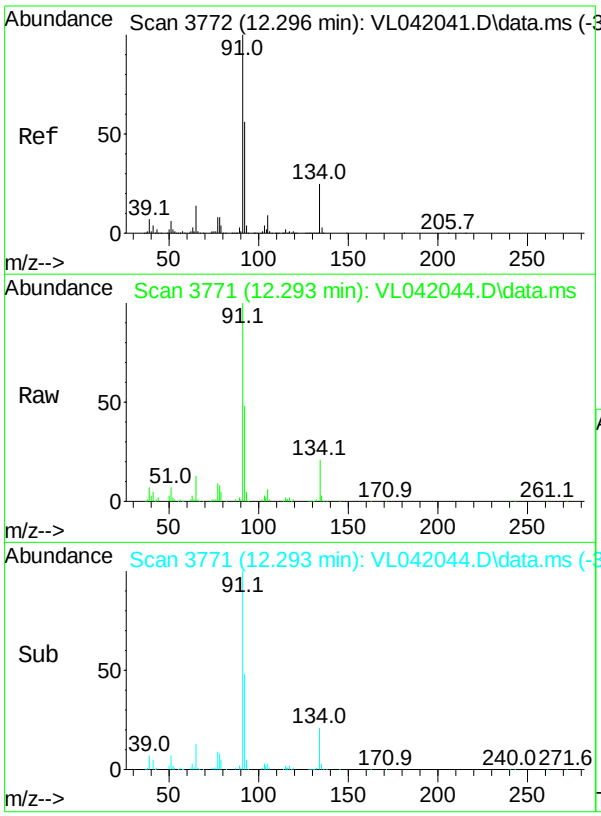


#69
p-Isopropyltoluene
Concen: 0.427 ppbv
RT: 11.937 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:119 Resp: 40978

Ion	Ratio	Lower	Upper
119	100		
134	27.7	20.9	31.3
91	32.2	23.1	34.7

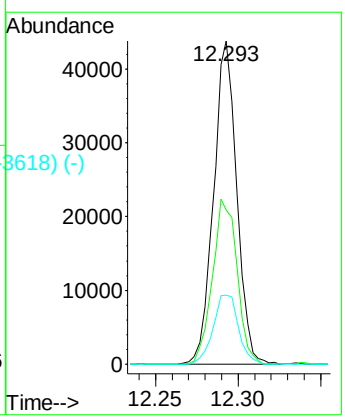




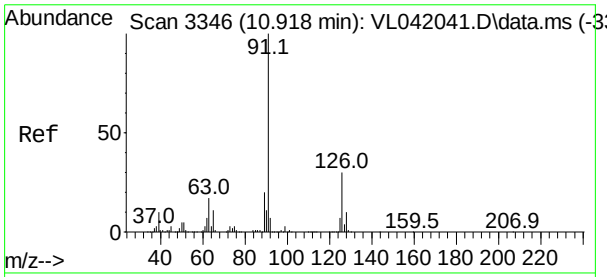
#70
n-Butylbenzene
Concen: 0.451 ppbv
RT: 12.293 min Scan# 3771
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 91 Resp: 42673

Ion	Ratio	Lower	Upper
91	100		
92	54.5	44.7	67.1
134	23.5	18.9	28.3



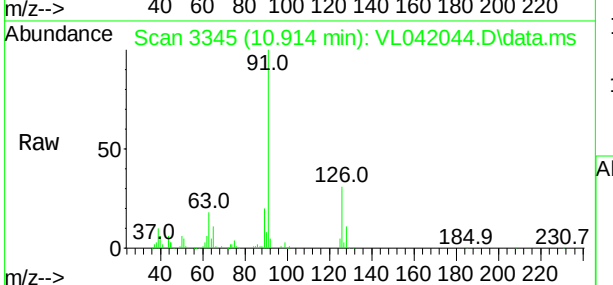
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

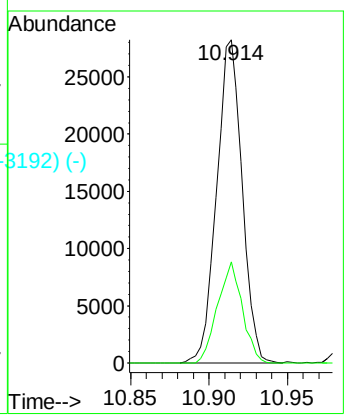


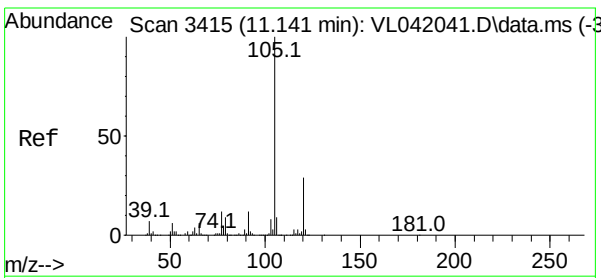
#71
2-Chlorotoluene
Concen: 0.446 ppbv
RT: 10.914 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 91 Resp: 32161

Ion	Ratio	Lower	Upper
91	100		
126	30.2	11.9	47.5



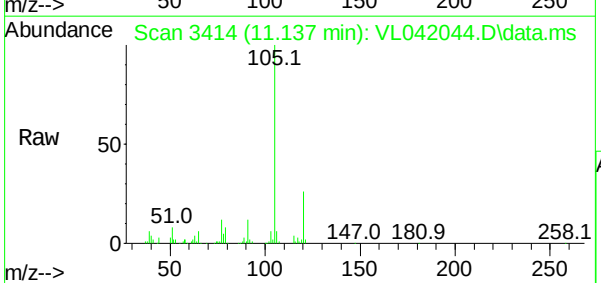


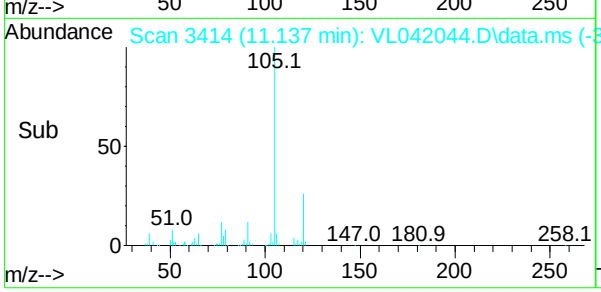


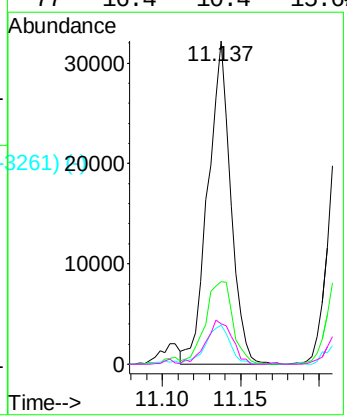
#72
4-Ethyltoluene
Concen: 0.434 ppbv
RT: 11.137 min Scan# 3414
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

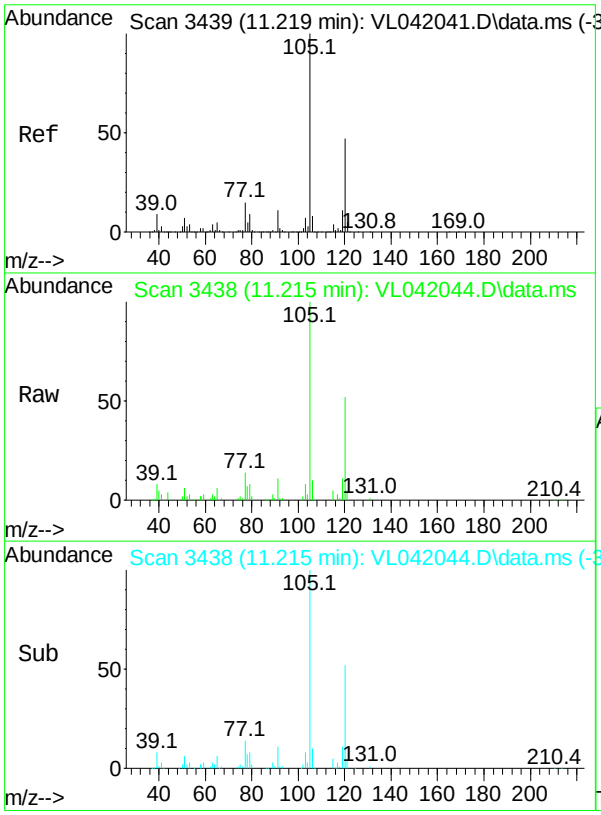
Tgt Ion:105 Resp: 32477

Ion	Ratio	Lower	Upper
105	100		
120	32.5	24.1	36.1
91	13.6	10.2	15.4
77	16.4	10.4	15.6#







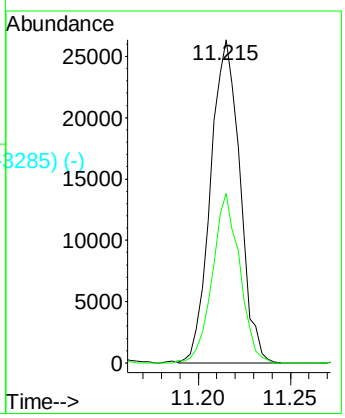


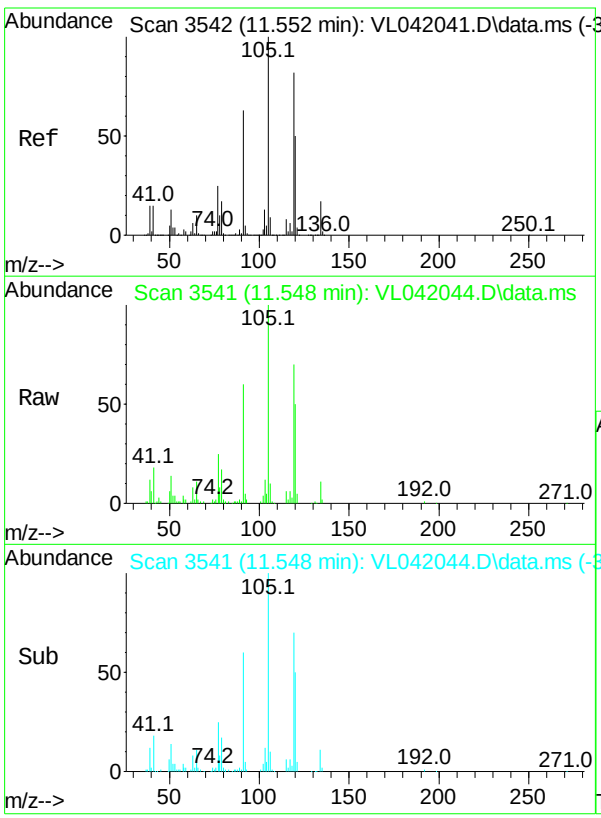
#73
1,3,5-Trimethylbenzene
Concen: 0.452 ppbv
RT: 11.215 min Scan# 3
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 29130

Ion	Ratio	Lower	Upper
105	100		
120	52.4	37.4	56.0

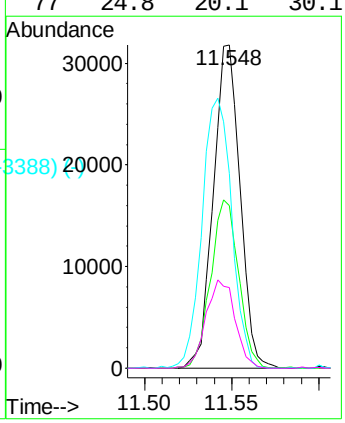




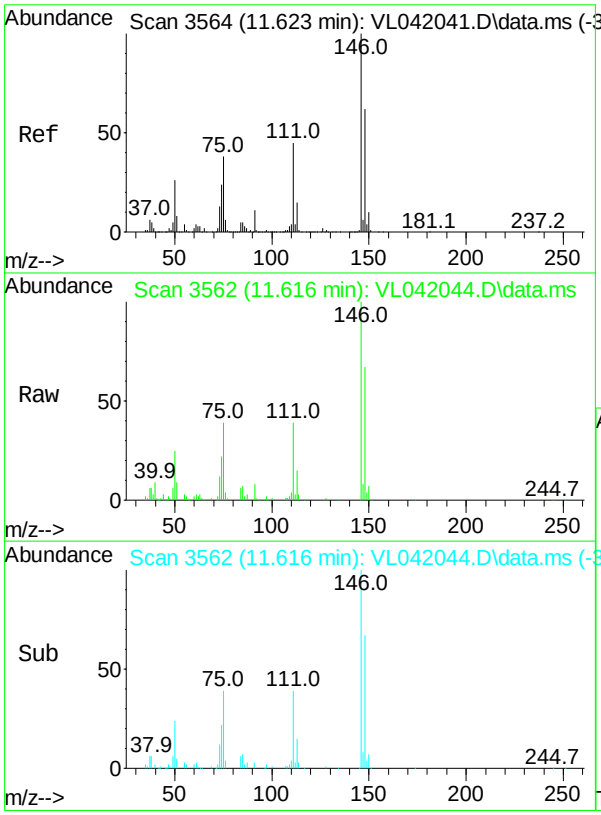
#74
1,2,4-Trimethylbenzene
Concen: 0.491 ppbv
RT: 11.548 min Scan# 3541
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:105 Resp: 33950

Ion	Ratio	Lower	Upper
105	100		
120	50.1	40.2	60.2
91	60.2	51.4	77.2
77	24.8	20.1	30.1



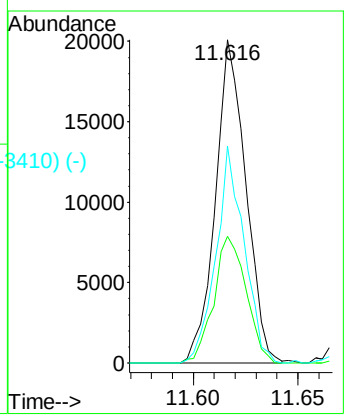
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

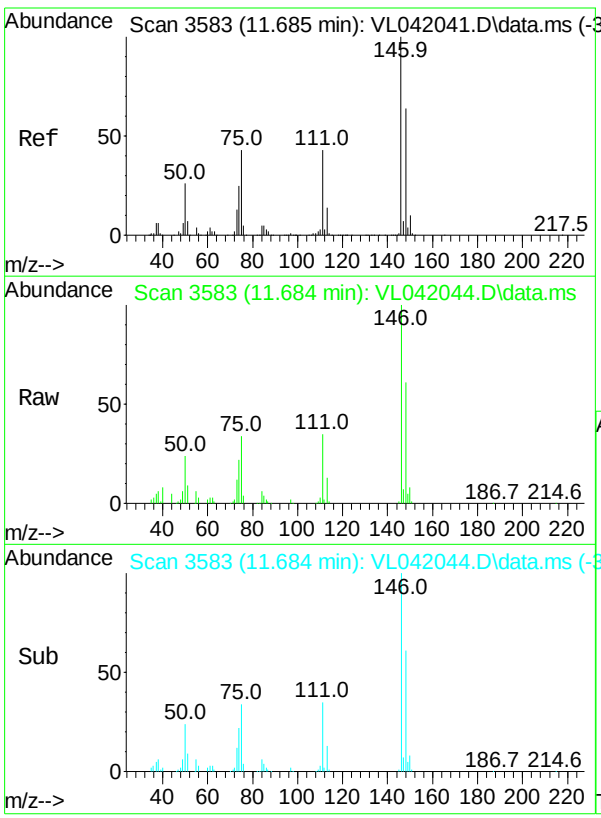


#75
1,3-Dichlorobenzene
Concen: 0.546 ppbv
RT: 11.616 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:146 Resp: 20339

Ion	Ratio	Lower	Upper
146	100		
111	41.6	22.4	67.2
148	61.9	32.3	96.8

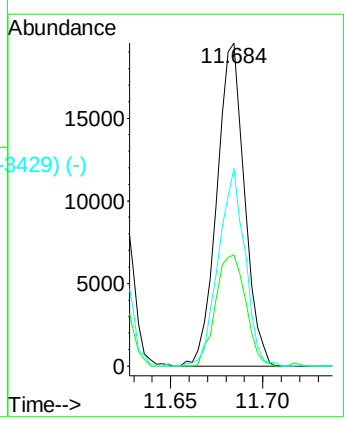




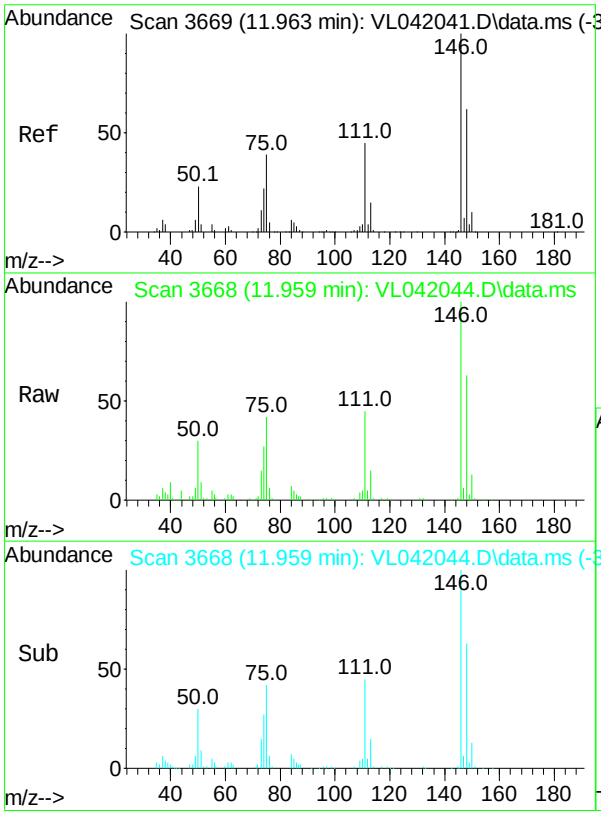
#76
1,4-Dichlorobenzene
Concen: 0.564 ppbv
RT: 11.684 min Scan# 3583
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:146 Resp: 20492

Ion	Ratio	Lower	Upper
146	100		
111	37.7	21.5	64.5
148	58.8	31.6	95.0



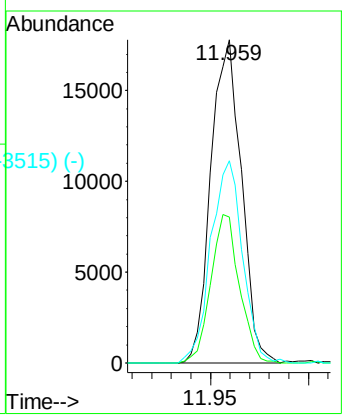
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

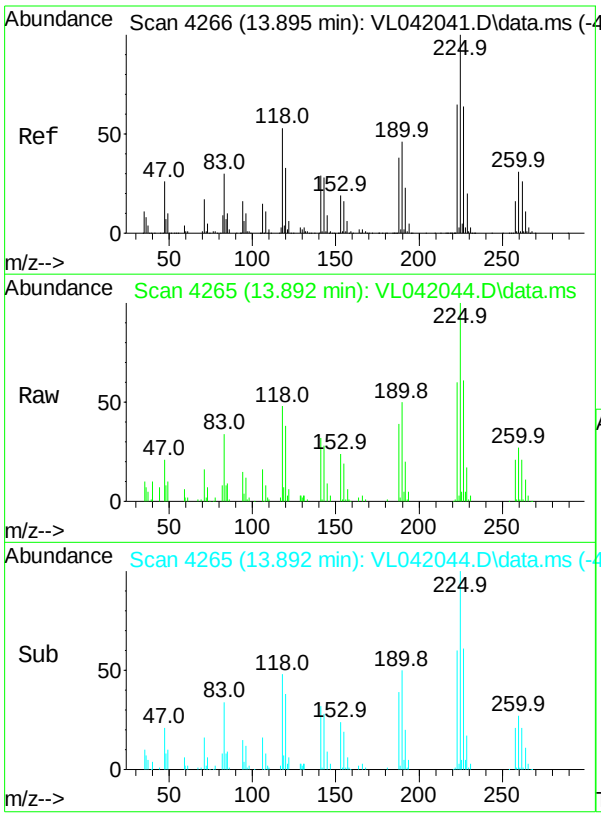


#57
1,2-Dichlorobenzene
Concen: 0.544 ppbv
RT: 11.959 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:146 Resp: 19373

Ion	Ratio	Lower	Upper
146	100		
111	43.0	23.2	69.6
148	65.0	31.4	94.2

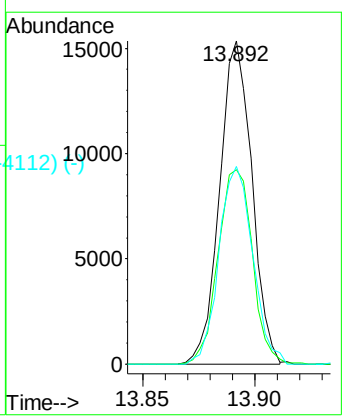




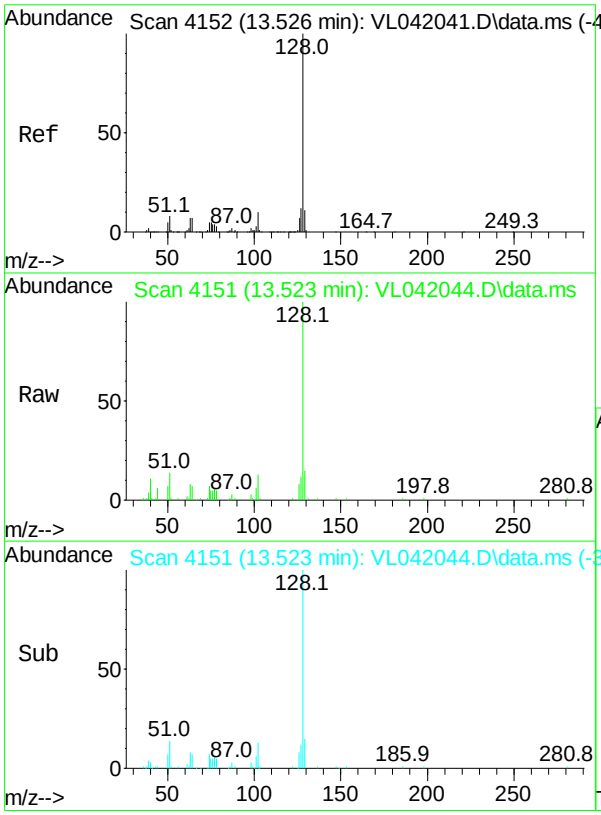
#58
Hexachloro-1,3-Butadiene
Concen: 0.522 ppbv
RT: 13.892 min Scan# 4265
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:225 Resp: 15367

Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.2	75.2
227	64.0	50.8	76.2



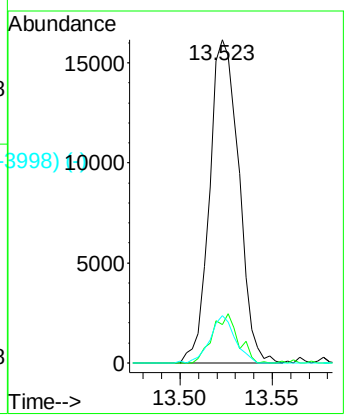
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

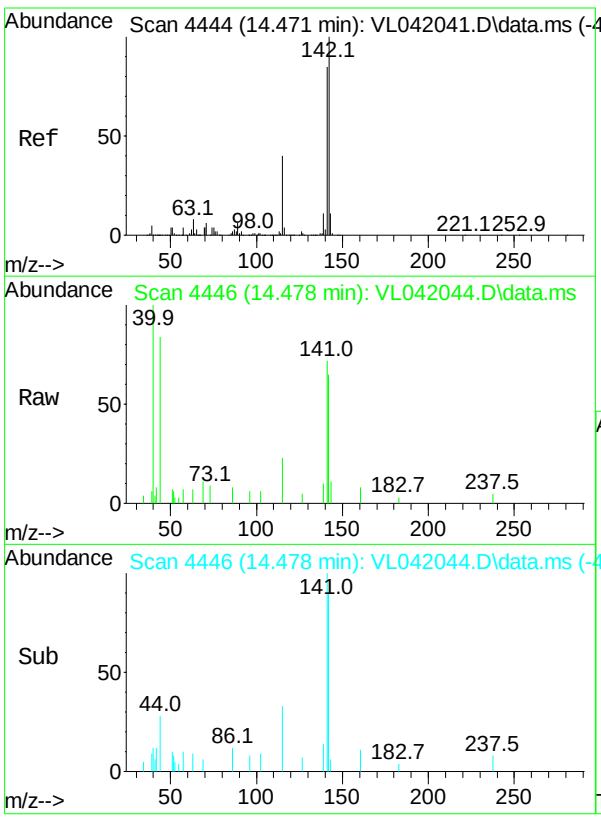


#79
Naphthalene
Concen: 0.263 ppbv
RT: 13.523 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:128 Resp: 17897

Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.8	14.6
129	14.7	8.6	12.8#

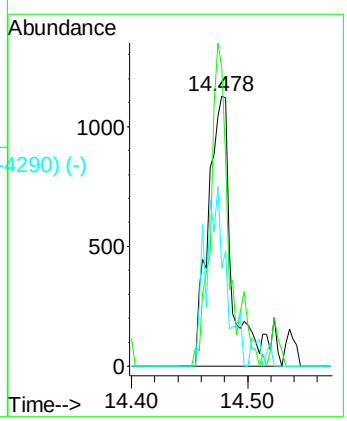


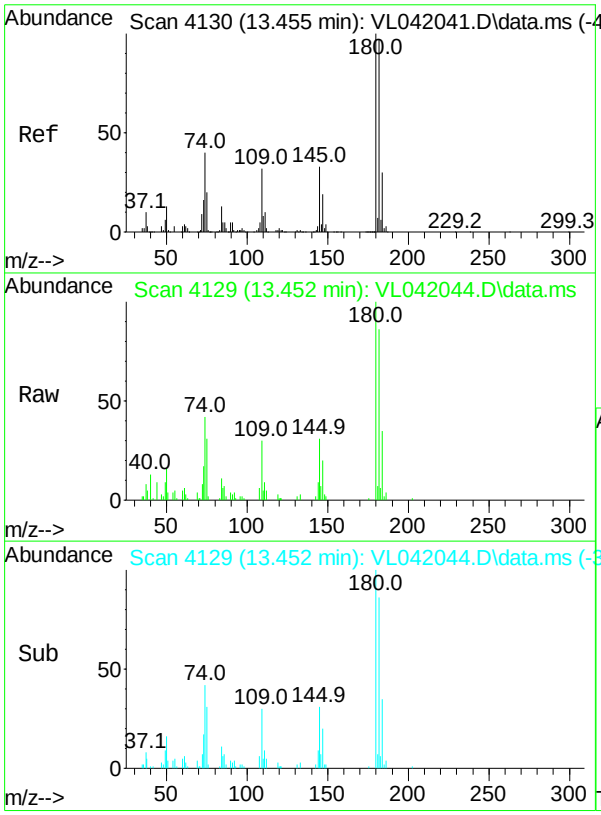


#80
Naphthalene,2-methyl-
Concen: 0.053 ppbv
RT: 14.478 min Scan# 4446
Delta R.T. 0.006 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:142 Resp: 1646

Ion	Ratio	Lower	Upper
142	100		
141	94.8	65.8	98.6
115	55.5	29.5	44.3#

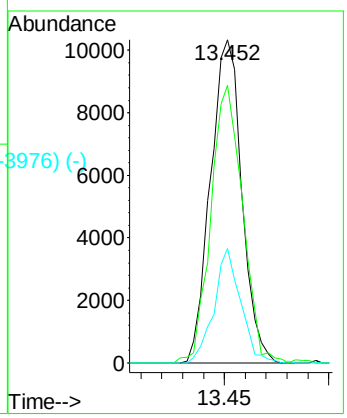




1,2,4-Trichlorobenzene
Concen: 0.389 ppbv
RT: 13.452 min Scan# 4
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:180 Resp: 10771

Ion	Ratio	Lower	Upper
180	100		
182	87.1	75.1	112.7
184	30.2	23.8	35.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5