Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091423\
Data File : VL040683.D
Acq On : 14 Sep 2023 13:46
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Sep 15 05:48:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Sep 14 19:50:34 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.185	49	1175923	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2996181	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	3488167	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	2288772	8.493	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 84.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	2419577	9.339	ppbv	100
3) Chlorodifluoromethane	2.665	51	1716313	8.959	ppbv	100
4) Chloromethane	2.803	50	667781	9.105	ppbv	100
5) Vinyl Chloride	2.909	62	738906	8.525	ppbv	100
6) Bromomethane	3.108	94	405262	9.691	ppbv	100
7) Chloroethane	3.189	64	277594	9.324	ppbv	100
8) Dichlorotetrafluoroethane	2.848	85	1981695	9.265	ppbv	100
9) Propene	2.684	41	493361	8.940	ppbv	100
10) Heptane	7.574	43	1256339	10.103	ppbv	100
11) Trichlorofluoromethane	3.552	101	2143449	9.411	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.057	101	1522129	9.342	ppbv	100
13) Ethanol	3.227	45	145787	8.925	ppbv	97
14) Bromoethene	3.356	108	652686	9.551	ppbv	100
15) Acetone	3.455	43	1326105	8.550	ppbv	100
16) 1,3-Butadiene	2.973	39	687278	10.167	ppbv	100
17) tert-Butyl alcohol	3.867	59	1544005	9.718	ppbv	100
18) 1,1-Dichloroethene	3.870	96	688483	9.507	ppbv	100
19) Isopropyl Alcohol	3.565	45	951256	10.178	ppbv	100
20) Methylene Chloride	3.922	84	596347	7.143	ppbv	100
21) Allyl Chloride	3.986	41	915756	9.634	ppbv	100
22) trans-1,2-Dichloroethene	4.433	96	706343	9.864	ppbv	100
23) Vinyl Acetate	4.616	43	1556292	9.702	ppbv	100
24) 1,1-Dichloroethane	4.552	63	1415861	9.432	ppbv	100
25) Ethyl Acetate	5.195	43	2329326	9.311	ppbv	100
26) Hexane	5.205	57	1006889	8.512	ppbv	100
27) Carbon Disulfide	4.115	76	1719745	10.425	ppbv	100
28) Methyl tert-Butyl Ether	4.578	73	980768	9.637	ppbv	100
29) Chloroform	5.266	83	1899705	9.302	ppbv	100
30) Cyclohexane	6.594	84	869961	9.766	ppbv	100
31) cis-1,2-Dichloroethene	5.070	61	1060279	9.661	ppbv	100
32) 1,1,1-Trichloroethane	5.996	97	1940995	9.296	ppbv	100
34) 2-Butanone	4.777	43	1403471	9.314	ppbv	100
35) Carbon Tetrachloride	6.484	117	2057973	10.003	ppbv	100
36) Benzene	6.362	78	2131865	9.609	ppbv	100
37) 1,2-Dichloroethane	5.799	62	1459338	9.610	ppbv	100
38) Trichloroethene	7.285	130	915444	10.819	ppbv	100
39) 1,2-Dichloropropane	7.066	63	820034	9.602	ppbv	100
40) 1,4-Dioxane	7.279	88	368539	11.415	ppbv #	100
41) Tetrahydrofuran	5.549	42	751022	9.720	ppbv	100
42) Bromodichloromethane	7.243	83	2073537	10.008	ppbv	100
43) Methyl Methacrylate	7.468	69	886491	10.749	ppbv	100
44) 2,2,4-Trimethylpentane	7.320	57	3544470	10.033	ppbv	100
45) t-1,3-Dichloropropene	8.703	75	767696	12.005	ppbv	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091423\
Data File : VL040683.D
Acq On : 14 Sep 2023 13:46
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Sep 15 05:48:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Sep 14 19:50:34 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	8.137	75	882266	11.276	ppbv		100
47)	1,1,2-Trichloroethane	8.896	97	955193	9.746	ppbv		100
48)	Dibromochloromethane	9.703	129	1717461	10.623	ppbv		100
49)	Bromoform	12.404	173	1482675	11.166	ppbv		100
50)	4-Methyl-2-Pentanone	8.172	43	2161594	10.616	ppbv		100
51)	2-Hexanone	9.545	43	1569123	11.165	ppbv		100
52)	Tetrachloroethene	10.610	164	790140	10.918	ppbv		100
53)	Toluene	9.217	91	2538829	10.838	ppbv		100
54)	1,2-Dibromoethane	10.002	107	1376935	11.007	ppbv		100
56)	1,1,1,2-Tetrachloroethane	11.507	131	1298581	7.810	ppbv		100
57)	Chlorobenzene	11.523	112	2067828	7.828	ppbv		100
58)	Ethyl Benzene	12.082	91	3536716	8.893	ppbv		100
59)	m/p-Xylene	12.368	91	2386373	6.390	ppbv	#	1
60)	o-Xylene	13.053	91	3077163	8.640	ppbv		100
61)	Styrene	12.896	104	1471009	9.856	ppbv		100
62)	Isopropylbenzene	14.024	105	4476584	8.325	ppbv		100
63)	1,1,2,2-Tetrachloroethane	13.040	83	2221203	7.958	ppbv		100
64)	n-propylbenzene	14.912	120	1152034	8.569	ppbv		100
65)	tert-Butylbenzene	16.085	119	4040586	8.372	ppbv		100
66)	Benzyl Chloride	16.323	91	500252	8.882	ppbv		100
67)	sec-Butylbenzene	16.632	105	5704979	8.258	ppbv		100
69)	p-Isopropyltoluene	16.992	119	4627903	8.523	ppbv		100
70)	n-Butylbenzene	17.883	91	5025551	8.409	ppbv		100
71)	2-Chlorotoluene	14.796	91	3493873	8.782	ppbv		100
72)	4-Ethyltoluene	15.188	105	3589579	8.988	ppbv		100
73)	1,3,5-Trimethylbenzene	15.346	105	3130023	8.704	ppbv		100
74)	1,2,4-Trimethylbenzene	16.101	105	3570409	8.144	ppbv		100
75)	1,3-Dichlorobenzene	16.326	146	2041281	8.172	ppbv		100
76)	1,4-Dichlorobenzene	16.468	146	1969146	8.012	ppbv		100
77)	1,2-Dichlorobenzene	17.140	146	1947945	7.830	ppbv		100
78)	Hexachloro-1,3-Butadiene	22.628	225	1380087	7.332	ppbv		100
79)	Naphthalene	21.378	128	2862472	10.493	ppbv		100
80)	Naphthalene,2-methyl-	24.374	142	788487	11.801	ppbv		100
81)	1,2,4-Trichlorobenzene	21.136	180	1531360	8.594	ppbv		99

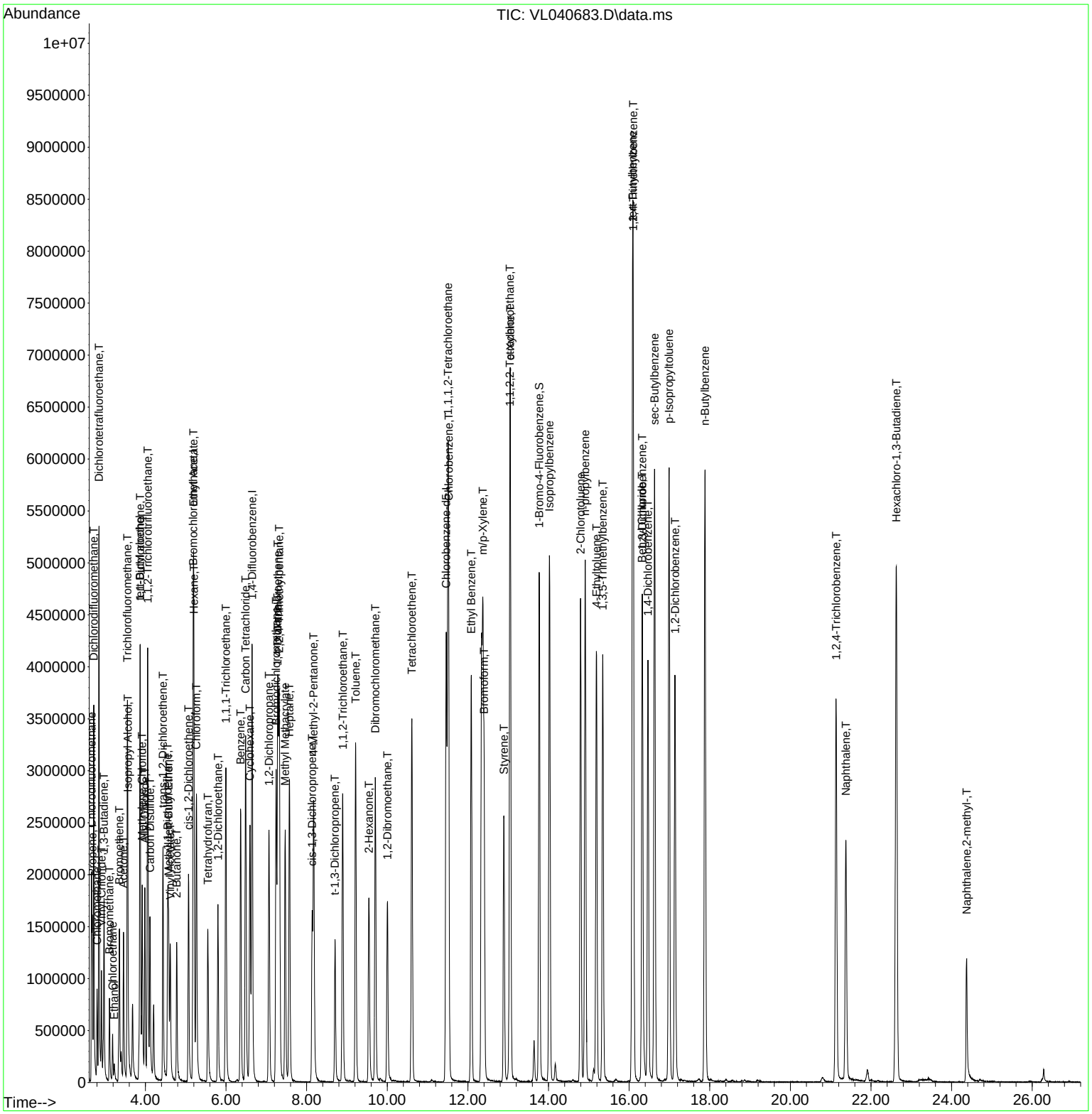
(#) = qualifier out of range (m) = manual integration (+) = signals summed

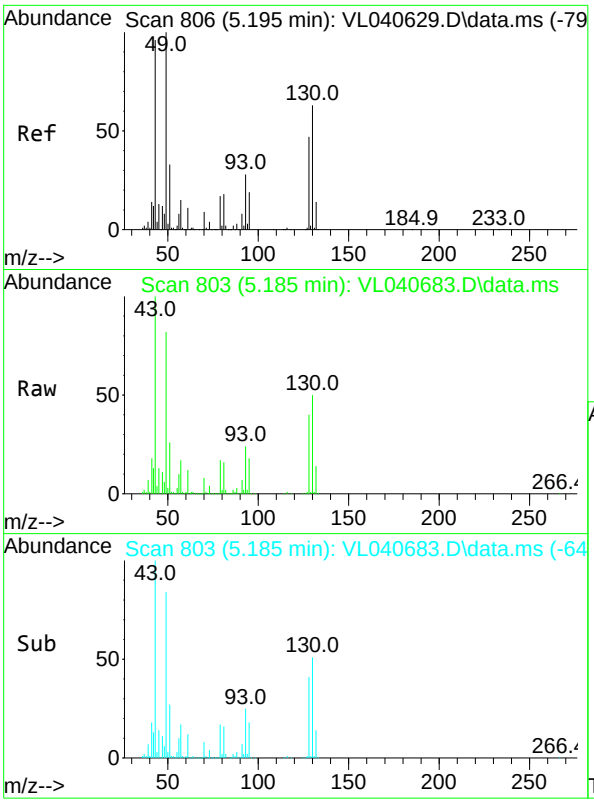
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091423\
Data File : VL040683.D
Acq On : 14 Sep 2023 13:46
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Sep 15 05:48:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Sep 14 19:50:34 2023
Response via : Initial Calibration



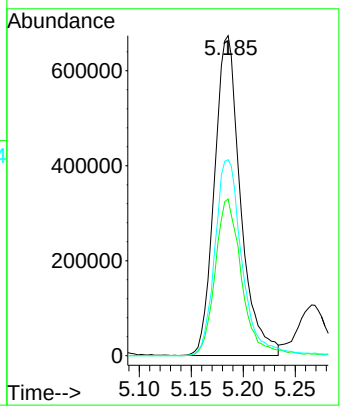


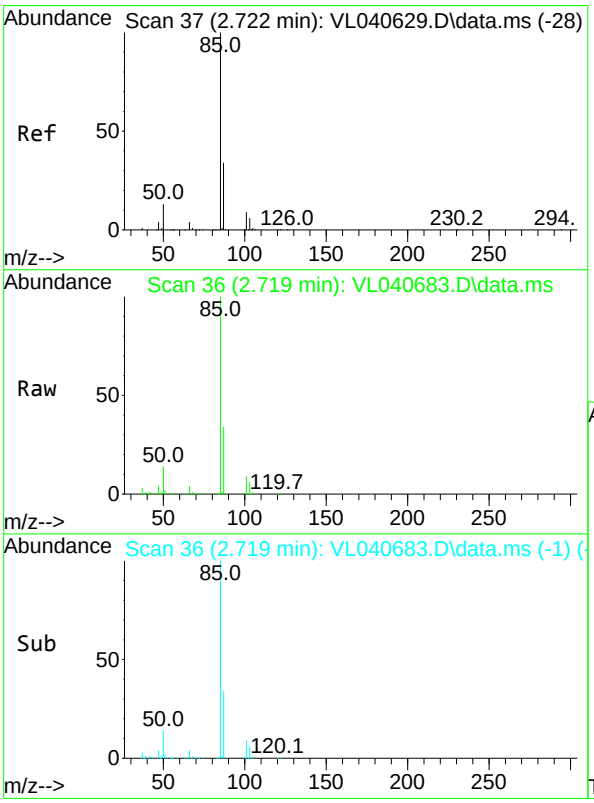
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1175923

Ion	Ratio	Lower	Upper
49	100		
128	50.9	25.4	76.0
130	64.9	32.3	96.8

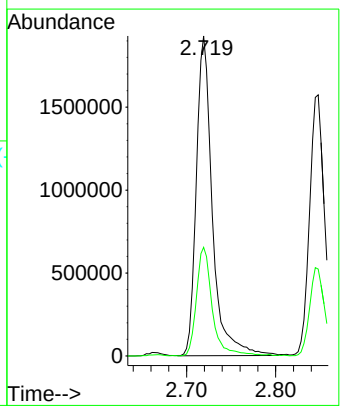


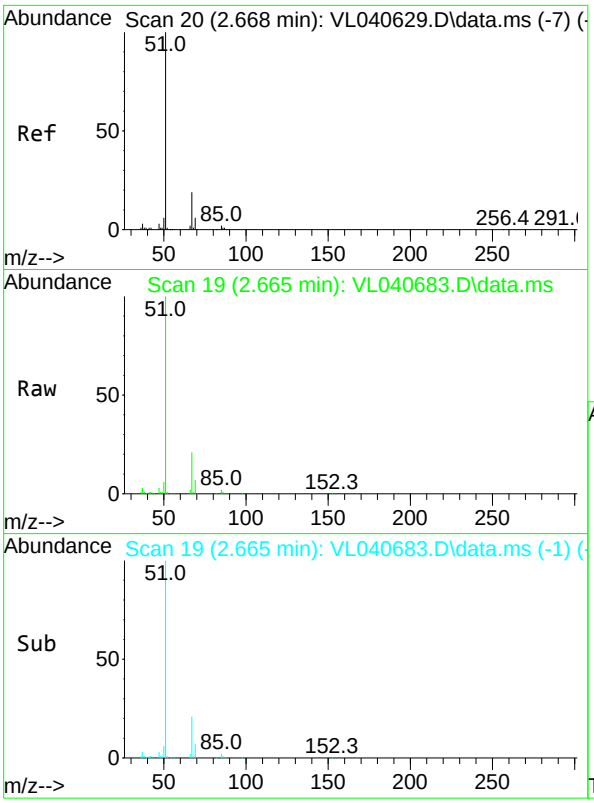


#2
Dichlorodifluoromethane
Concen: 9.339 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 85 Resp: 2419577

Ion	Ratio	Lower	Upper
85	100		
87	34.0	27.2	40.8



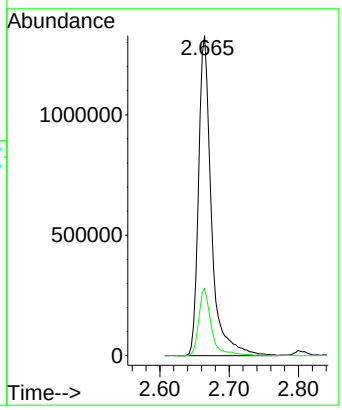


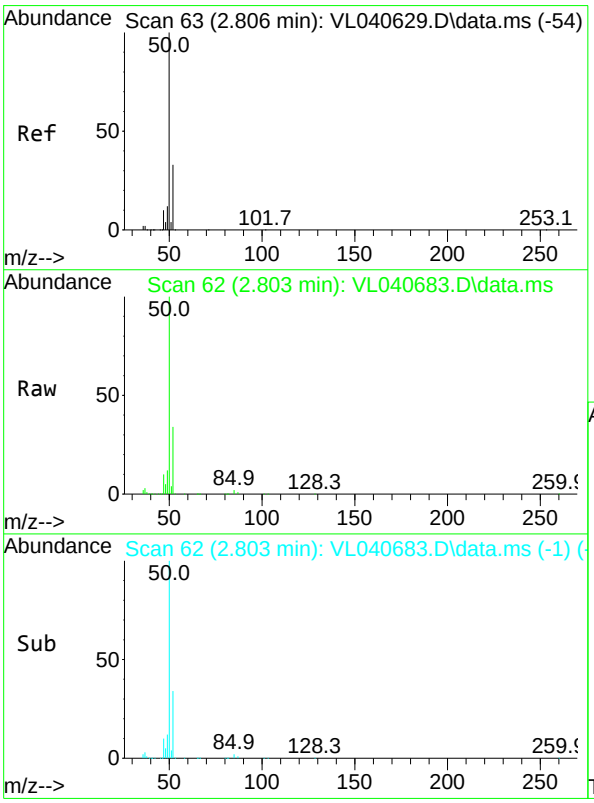
#3
Chlorodifluoromethane
Concen: 8.959 ppbv
RT: 2.665 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 1716313

Ion	Ratio	Lower	Upper
51	100		
67	20.9	16.7	25.1

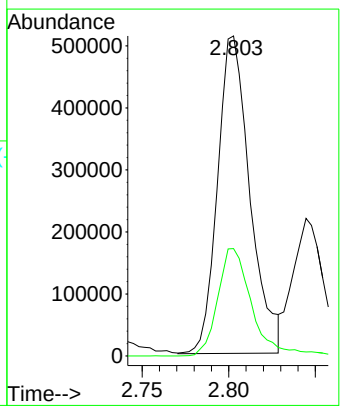


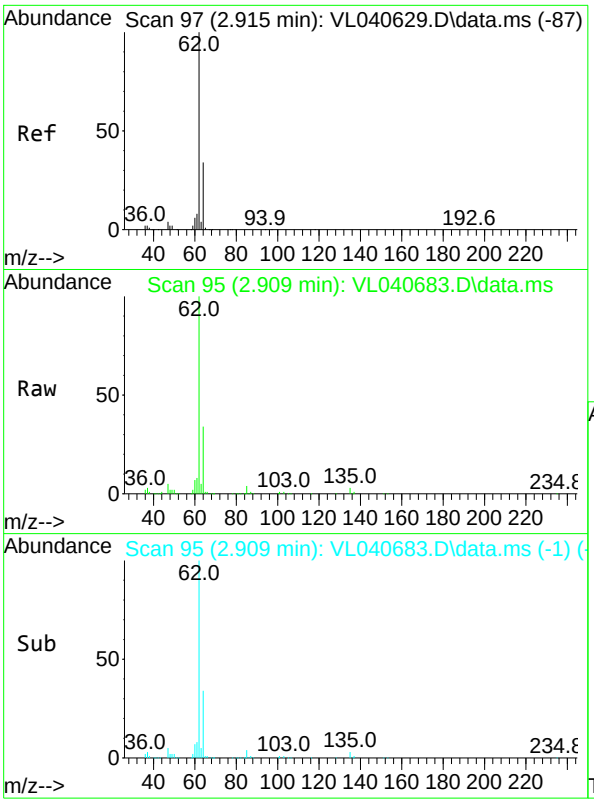


#4
Chloromethane
Concen: 9.105 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 50 Resp: 667781

Ion	Ratio	Lower	Upper
50	100		
52	33.9	27.1	40.7



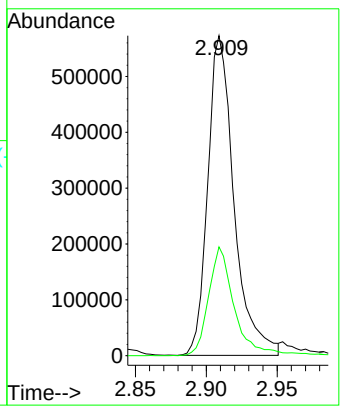


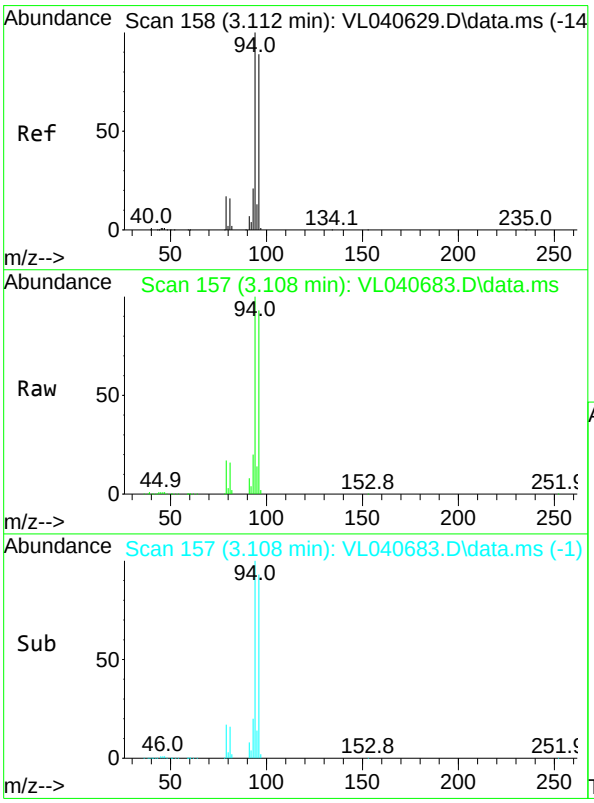
#5
Vinyl Chloride
Concen: 8.525 ppbv
RT: 2.909 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 738906

Ion	Ratio	Lower	Upper
62	100		
64	34.0	27.2	40.8

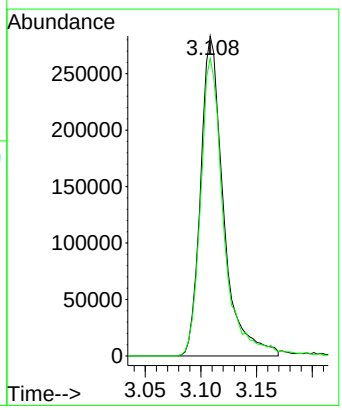


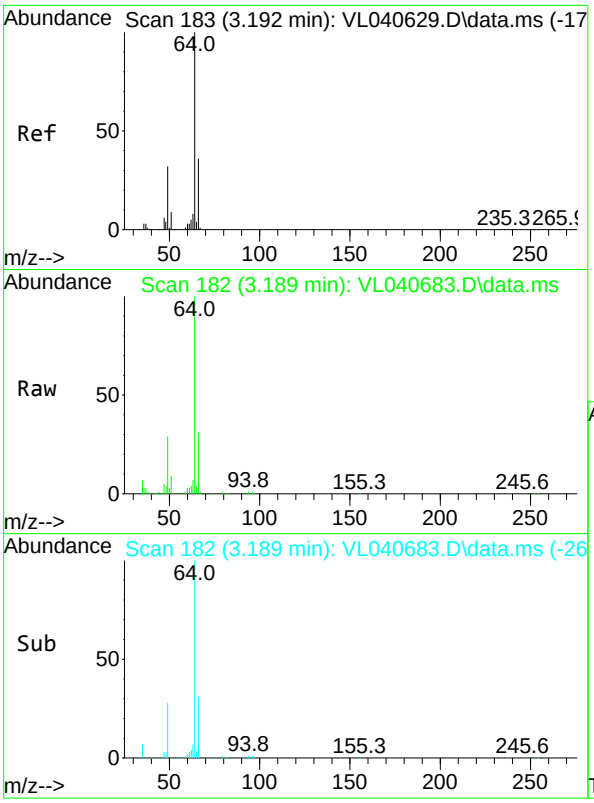


#6
Bromomethane
Concen: 9.691 ppbv
RT: 3.108 min Scan# 157
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 94 Resp: 405262

Ion	Ratio	Lower	Upper
94	100		
96	93.0	74.4	111.6



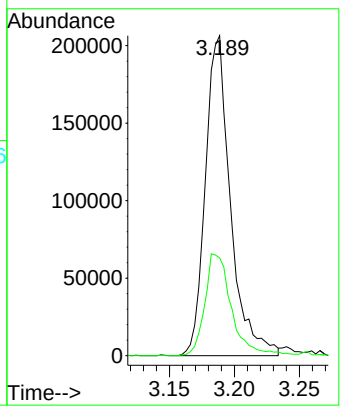


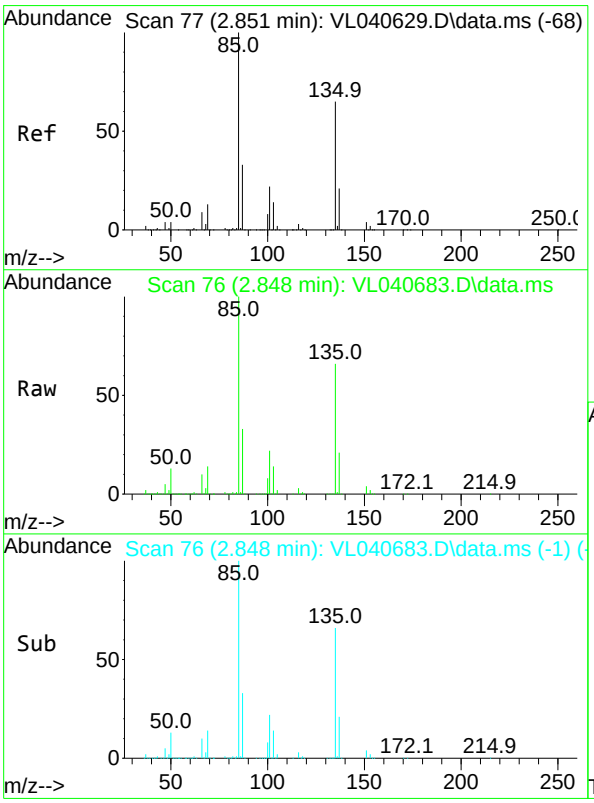
#7
Chloroethane
Concen: 9.324 ppbv
RT: 3.189 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 277594

Ion	Ratio	Lower	Upper
64	100		
66	30.6	24.5	36.7

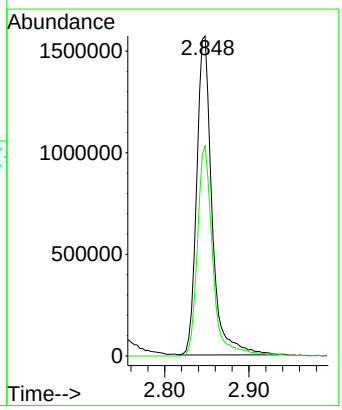


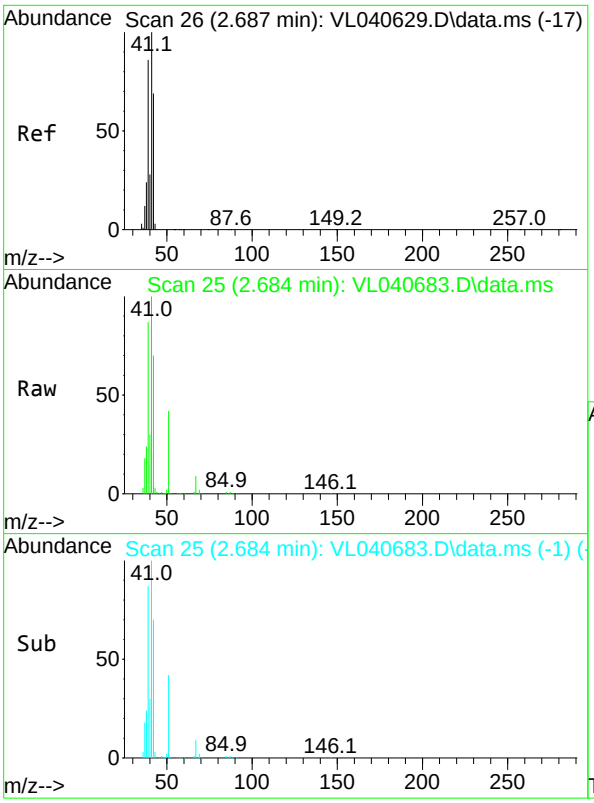


#8
Dichlorotetrafluoroethane
Concen: 9.265 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 85 Resp: 1981695

Ion	Ratio	Lower	Upper
85	100		
135	66.8	53.4	80.2



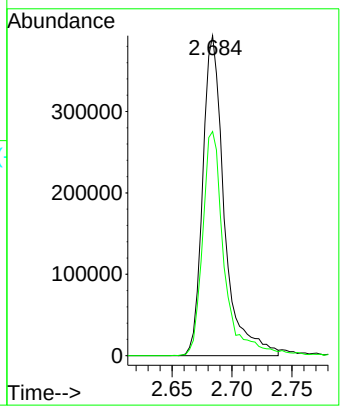


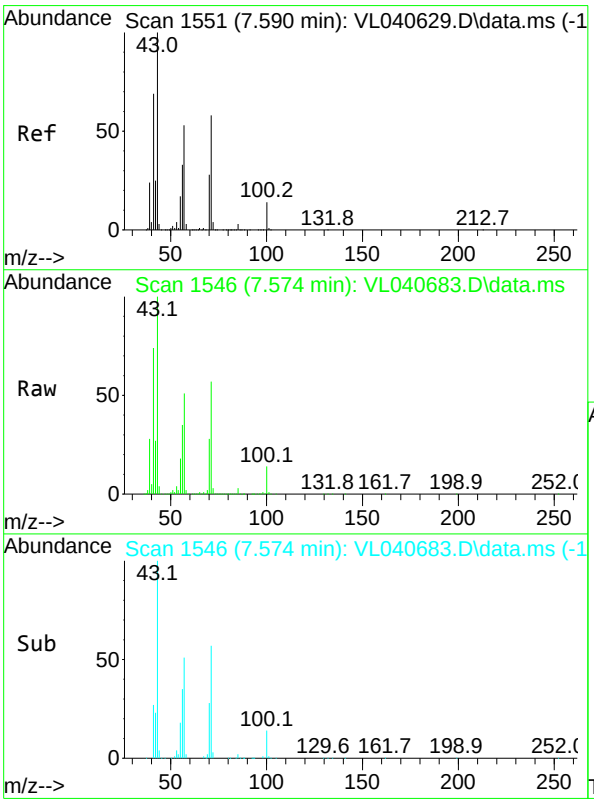
#9
Propene
Concen: 8.940 ppbv
RT: 2.684 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 493361

Ion	Ratio	Lower	Upper
41	100		
42	70.9	56.7	85.1

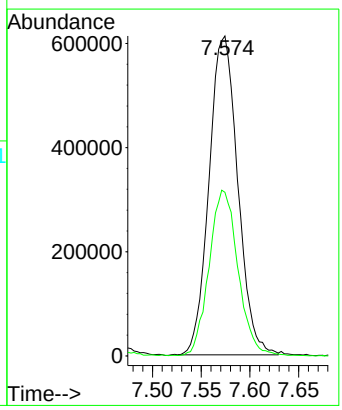


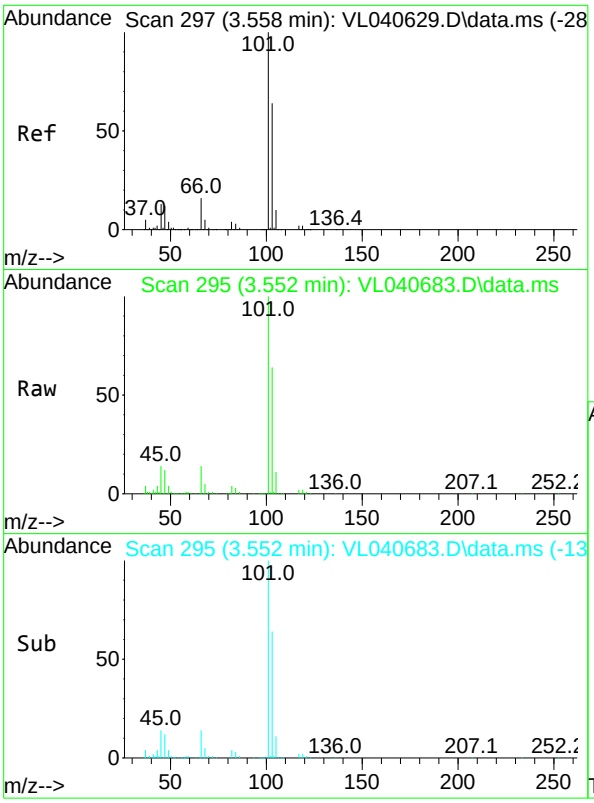


#10
Heptane
Concen: 10.103 ppbv
RT: 7.574 min Scan# 1546
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 43 Resp: 1256339

Ion	Ratio	Lower	Upper
43	100		
57	52.2	41.8	62.6



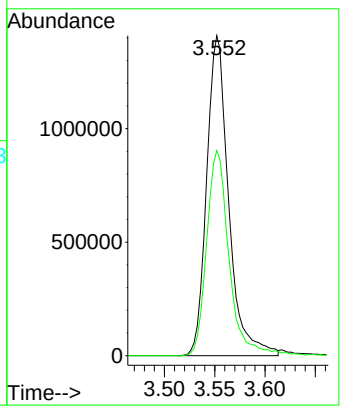


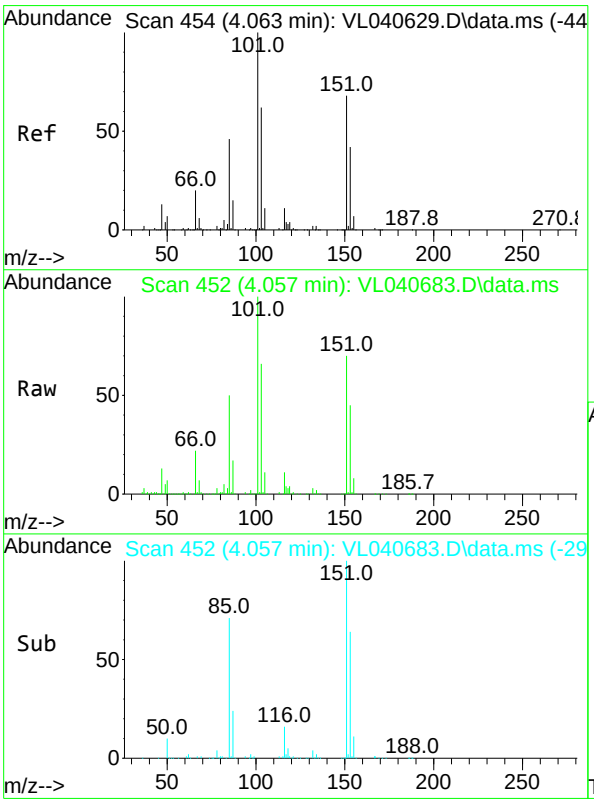
#11
Trichlorofluoromethane
Concen: 9.411 ppbv
RT: 3.552 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 2143449

Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.3	76.9

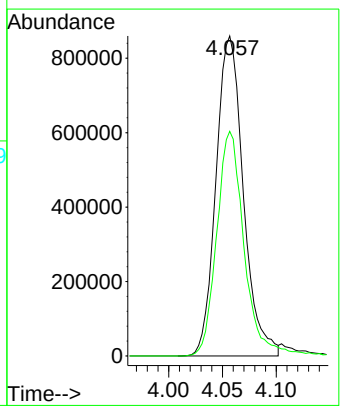


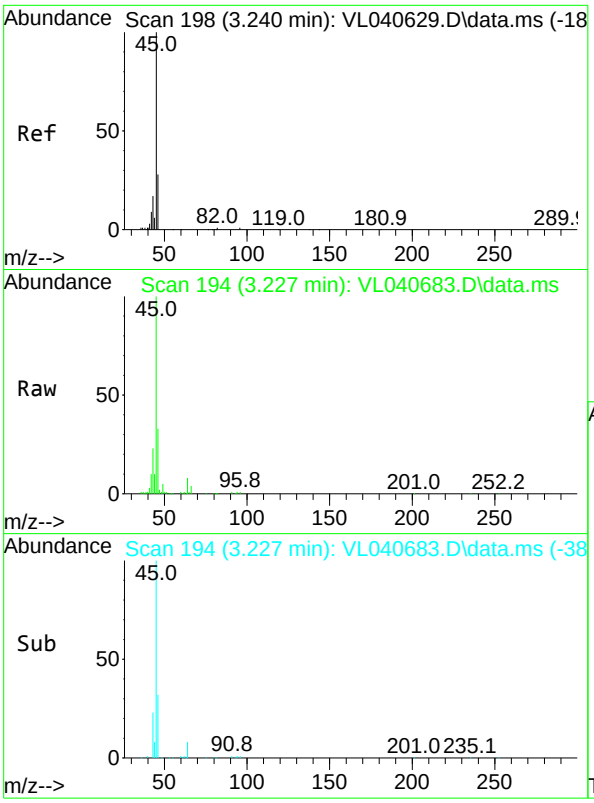


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.342 ppbv
RT: 4.057 min Scan# 452
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion:101 Resp: 1522129

Ion	Ratio	Lower	Upper
101	100		
151	71.0	56.8	85.2



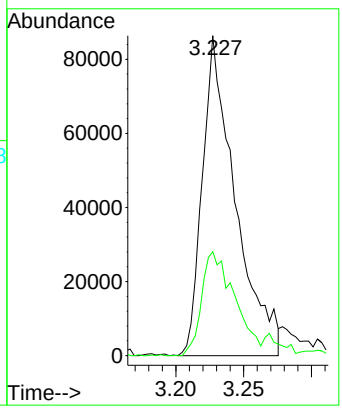


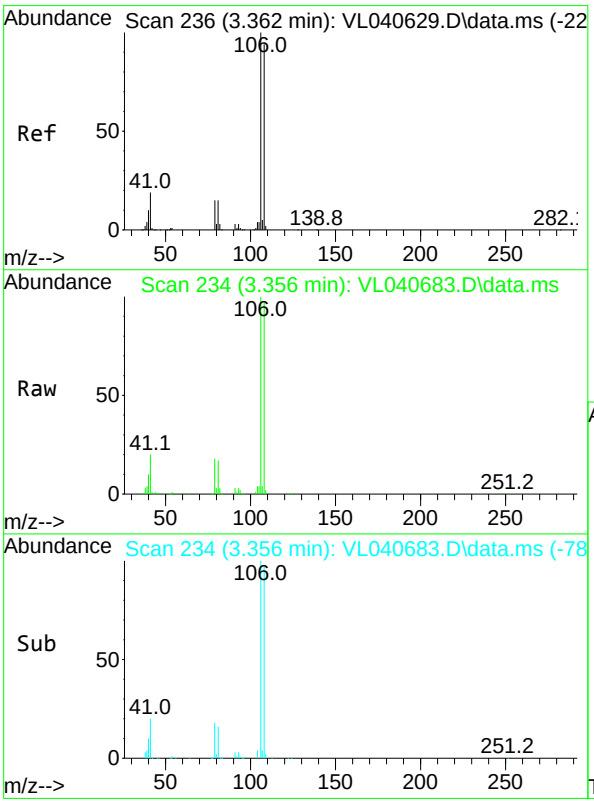
#13
Ethanol
Concen: 8.925 ppbv
RT: 3.227 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 145787

Ion	Ratio	Lower	Upper
45	100		
46	36.5	15.2	61.0

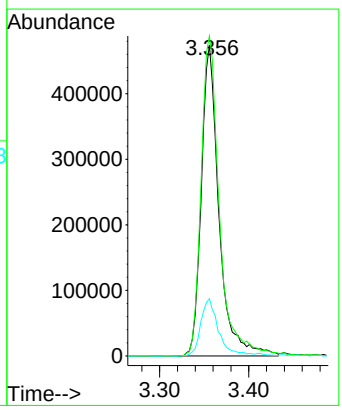


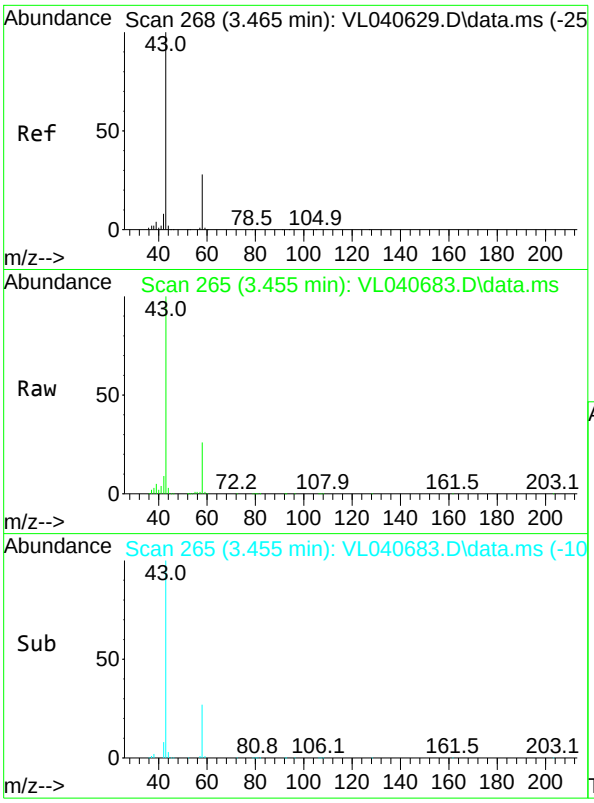


#14
Bromoethene
Concen: 9.551 ppbv
RT: 3.356 min Scan# 234
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion:108 Resp: 652686

Ion	Ratio	Lower	Upper
108	100		
106	107.5	86.0	129.0
79	19.5	15.6	23.4



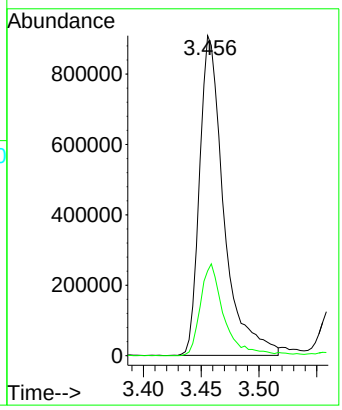


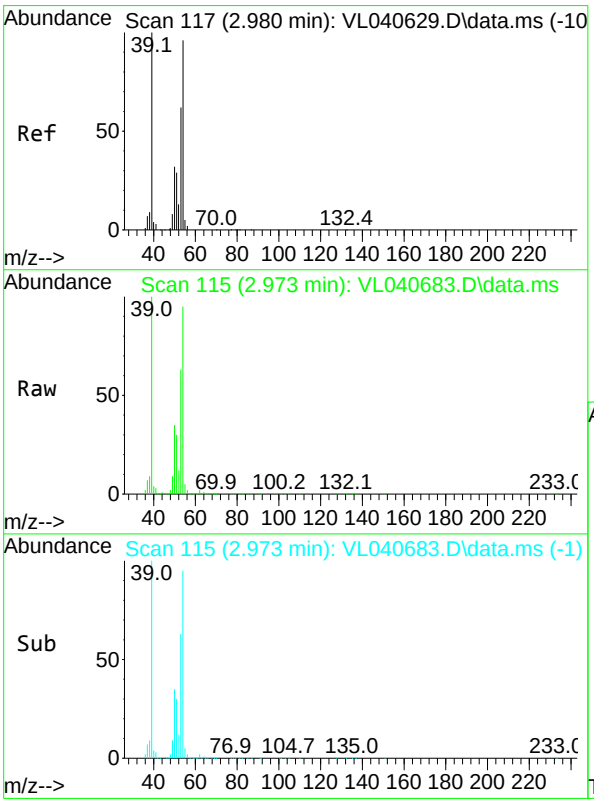
#15
Acetone
Concen: 8.550 ppbv
RT: 3.455 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1326105

Ion	Ratio	Lower	Upper
43	100		
58	28.3	22.6	34.0

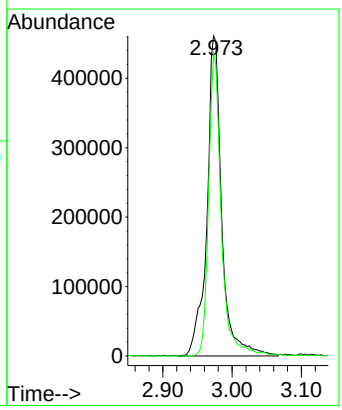


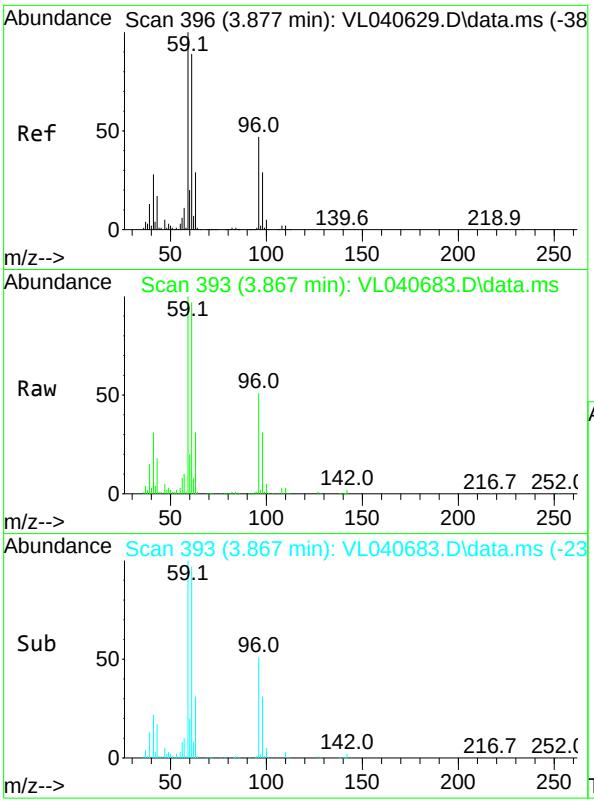


#16
1,3-Butadiene
Concen: 10.167 ppbv
RT: 2.973 min Scan# 115
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 39 Resp: 687278

Ion	Ratio	Lower	Upper
39	100		
54	81.0	64.8	97.2



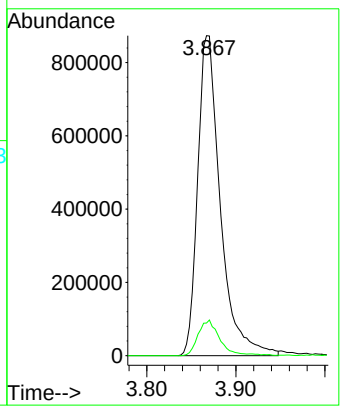


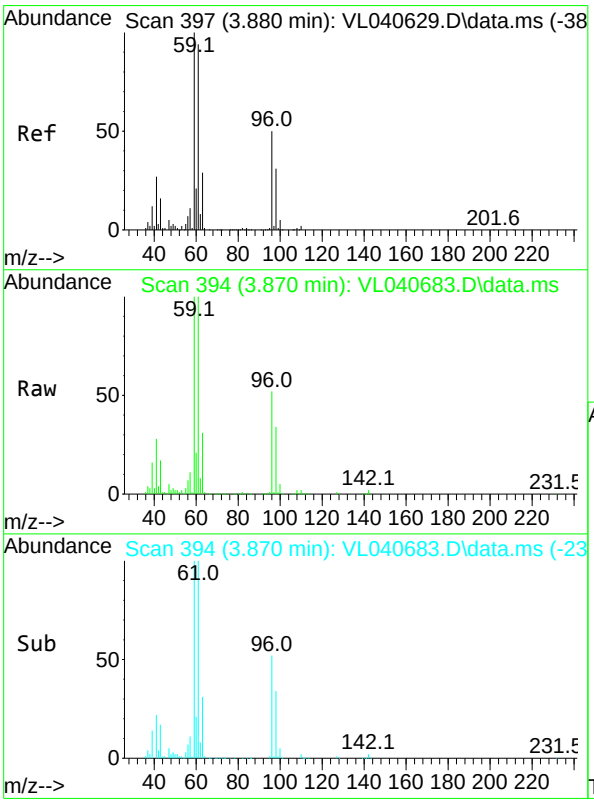
#17
tert-Butyl alcohol
Concen: 9.718 ppbv
RT: 3.867 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 1544005

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.7	13.1

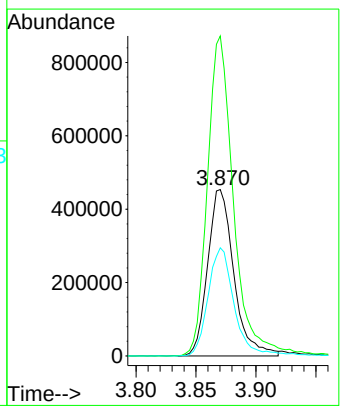


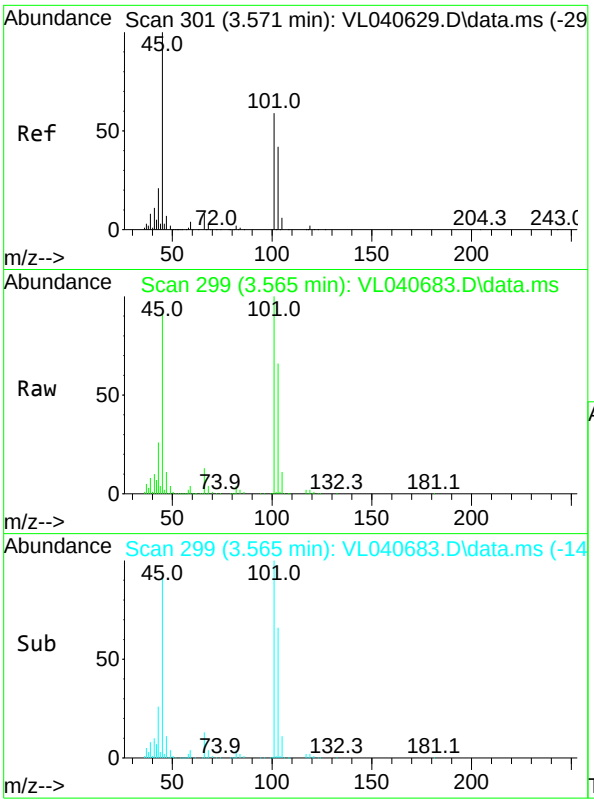


#18
1,1-Dichloroethene
Concen: 9.507 ppbv
RT: 3.870 min Scan# 394
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 96 Resp: 688483

Ion	Ratio	Lower	Upper
96	100		
61	192.0	153.6	230.4
98	64.9	51.9	77.9



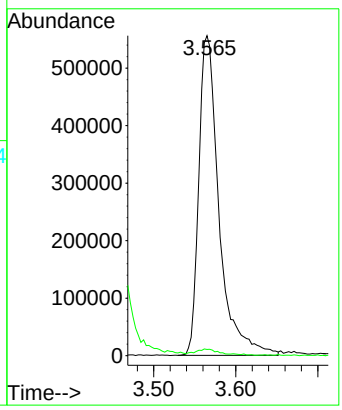


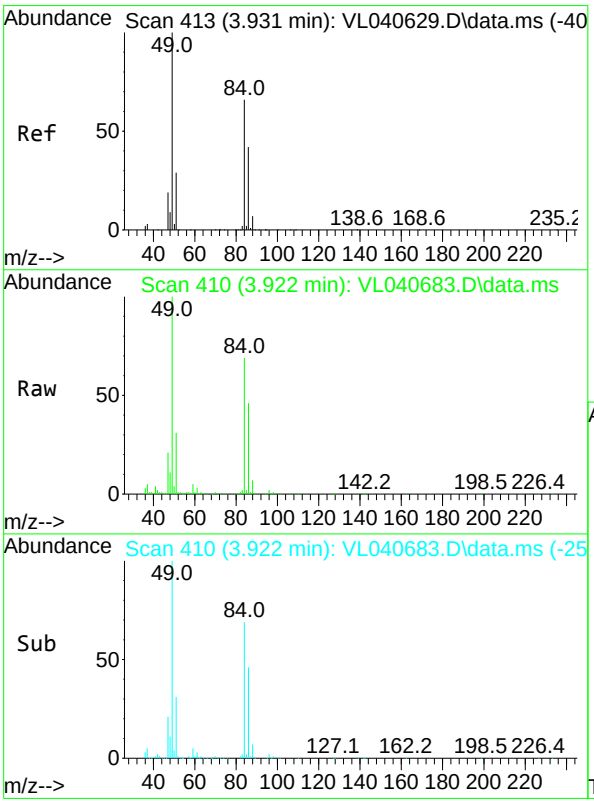
#19
Isopropyl Alcohol
Concen: 10.178 ppbv
RT: 3.565 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 951256

Ion	Ratio	Lower	Upper
45	100		
58	2.4	1.9	2.9

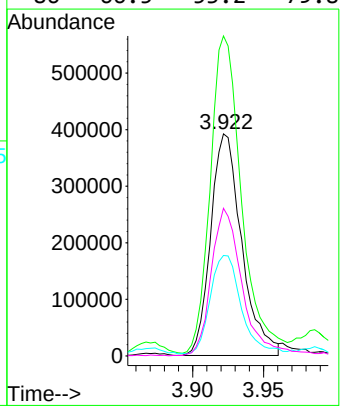


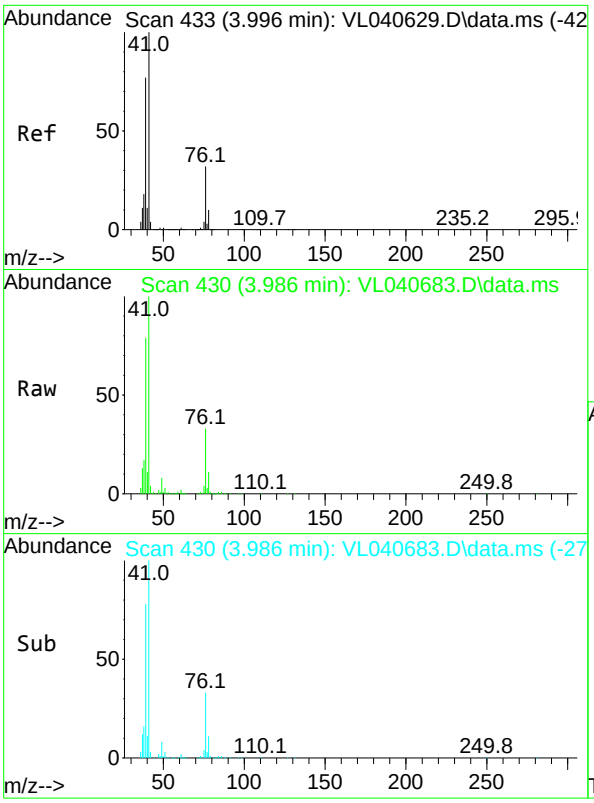


#20
Methylene Chloride
Concen: 7.143 ppbv
RT: 3.922 min Scan# 410
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 84 Resp: 596347

Ion	Ratio	Lower	Upper
84	100		
49	143.0	114.4	171.6
51	44.4	35.5	53.3
86	66.5	53.2	79.8



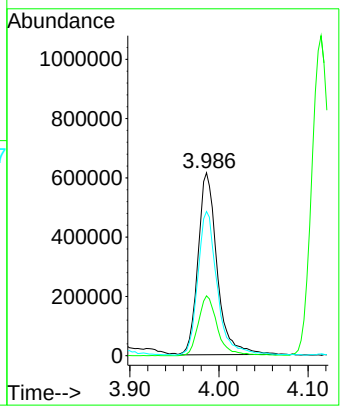


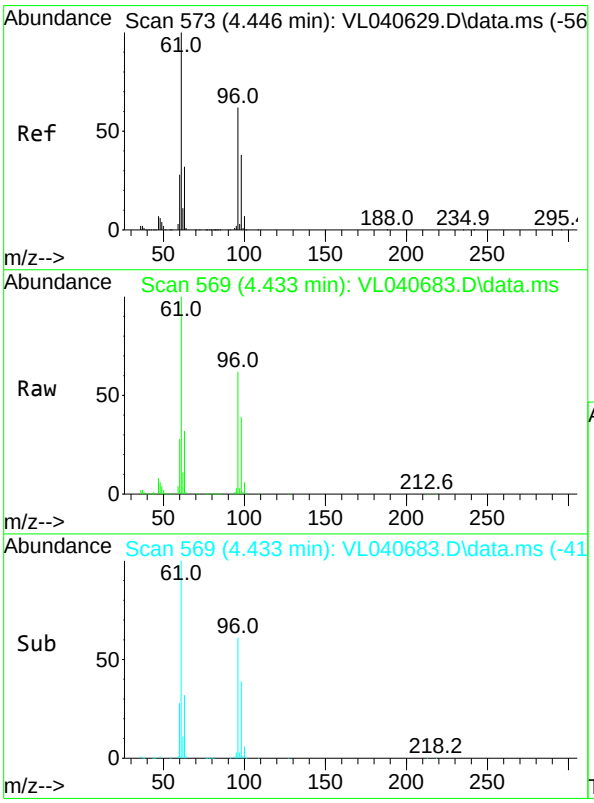
#21
Allyl Chloride
Concen: 9.634 ppbv
RT: 3.986 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 915756

Ion	Ratio	Lower	Upper
41	100		
76	33.3	26.6	40.0
39	81.2	65.0	97.4

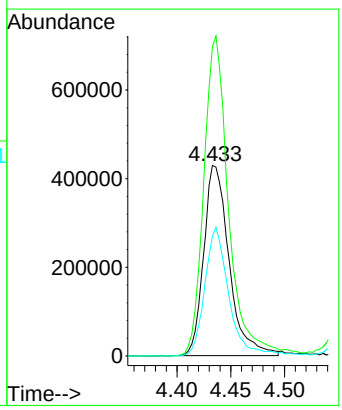


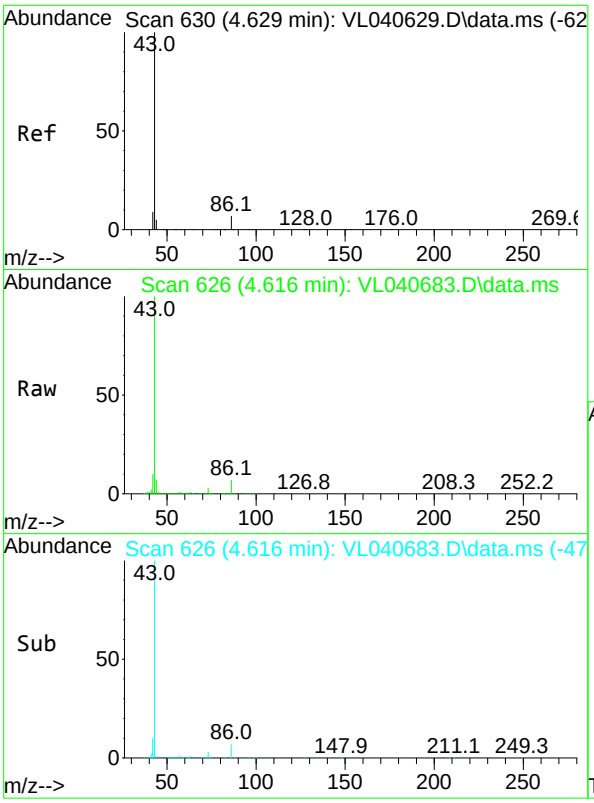


#22
trans-1,2-Dichloroethene
Concen: 9.864 ppbv
RT: 4.433 min Scan# 569
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 96 Resp: 706343

Ion	Ratio	Lower	Upper
96	100		
61	162.4	129.9	194.9
98	62.8	50.2	75.4



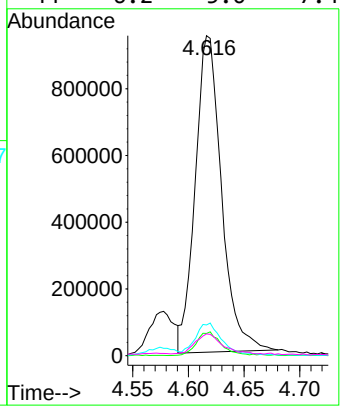


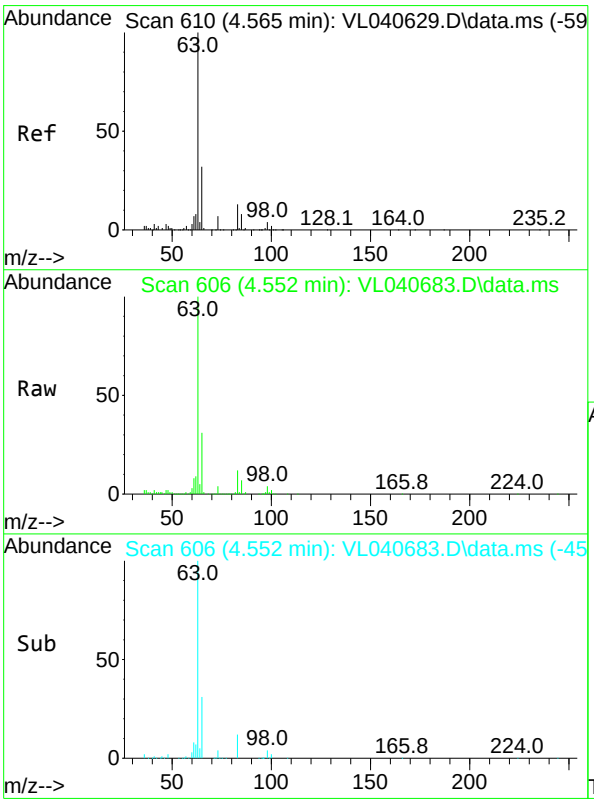
#23
Vinyl Acetate
Concen: 9.702 ppbv
RT: 4.616 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1556292

Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.6	8.4
42	9.5	7.6	11.4
44	6.2	5.0	7.4

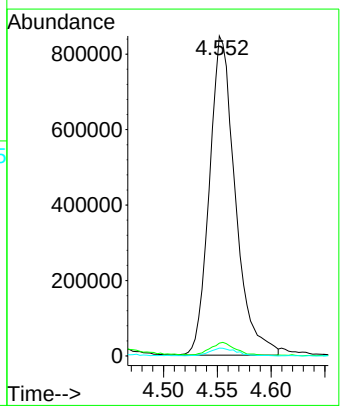


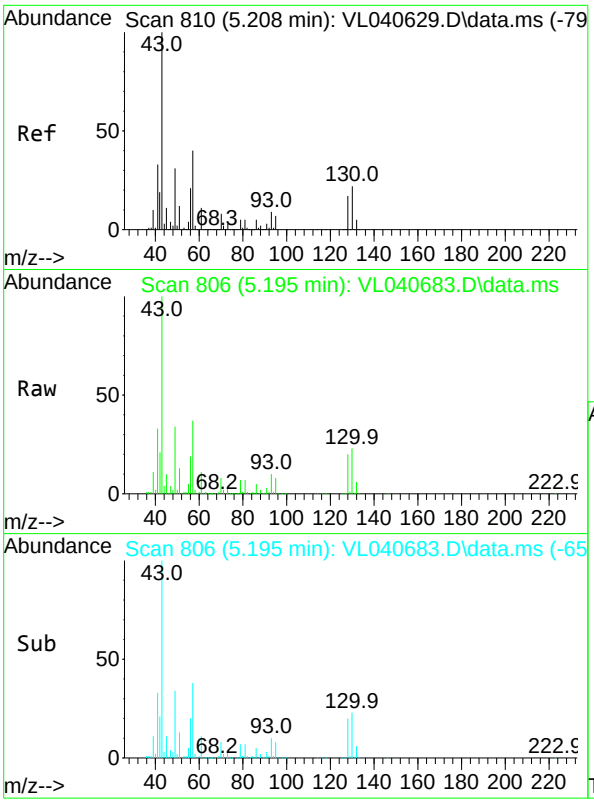


#24
1,1-Dichloroethane
Concen: 9.432 ppbv
RT: 4.552 min Scan# 606
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 63 Resp: 1415861

Ion	Ratio	Lower	Upper
63	100		
98	3.7	1.8	5.5
100	2.4	1.2	3.6



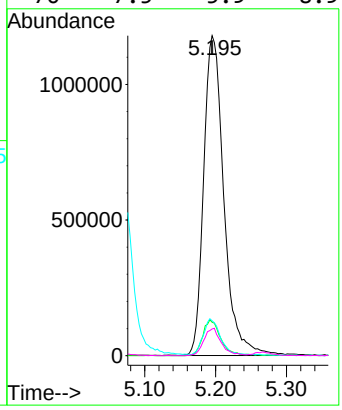


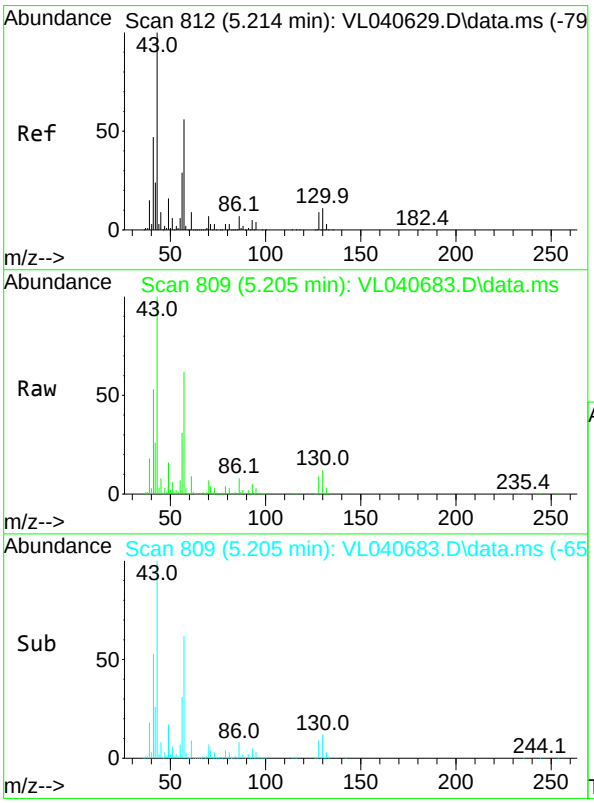
#25
Ethyl Acetate
Concen: 9.311 ppbv
RT: 5.195 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2329326

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.2	12.4
61	10.3	8.2	12.4
70	7.5	5.9	8.9

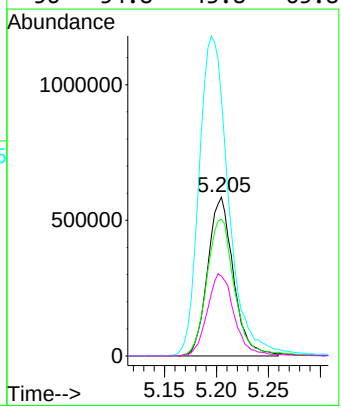


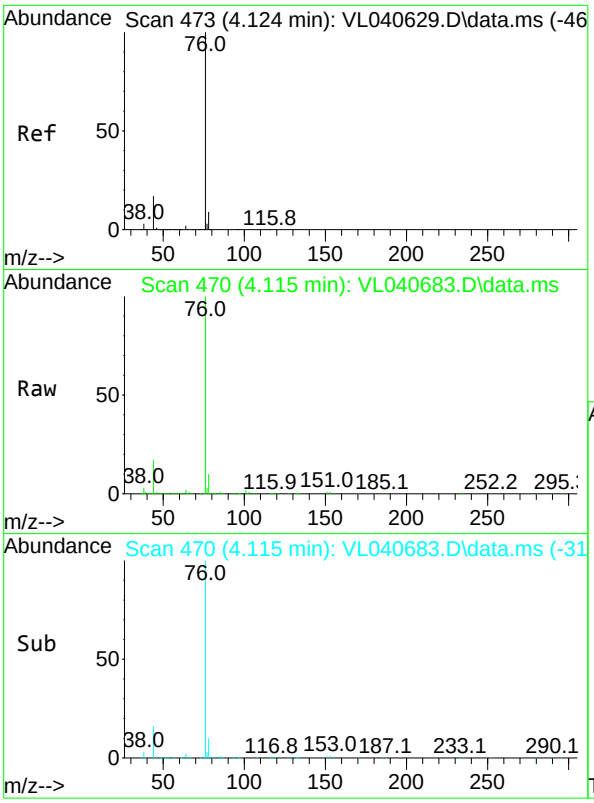


#26
Hexane
Concen: 8.512 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 57 Resp: 1006889

Ion	Ratio	Lower	Upper
57	100		
41	94.0	75.2	112.8
43	232.0	185.6	278.4
56	54.8	43.8	65.8



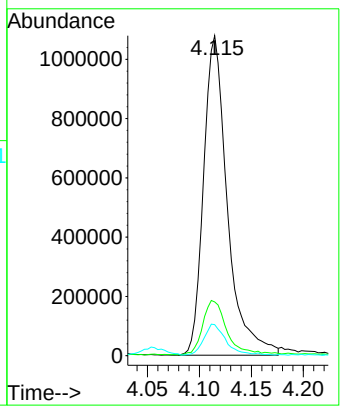


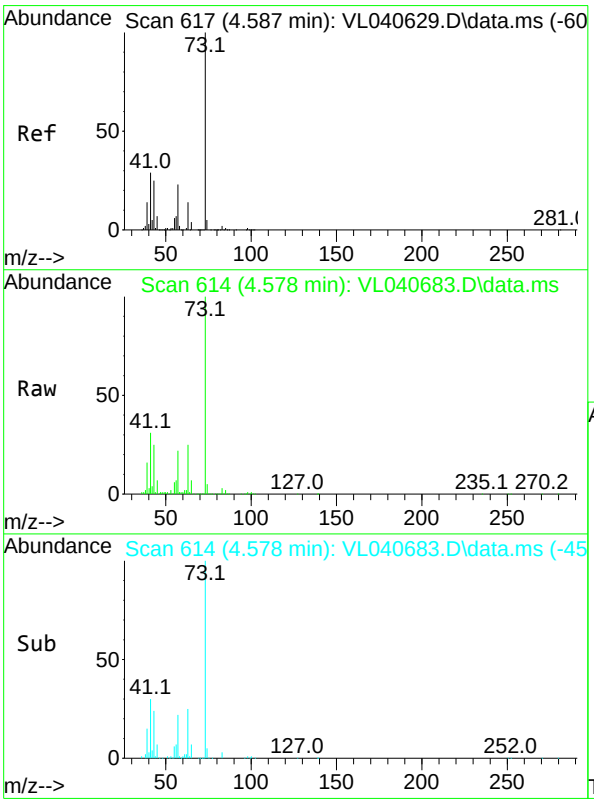
#27
Carbon Disulfide
Concen: 10.425 ppbv
RT: 4.115 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 1719745

Ion	Ratio	Lower	Upper
76	100		
44	18.1	14.5	21.7
78	9.6	7.7	11.5

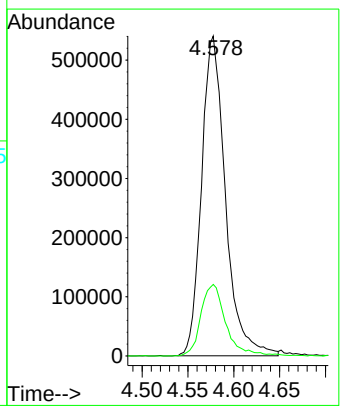


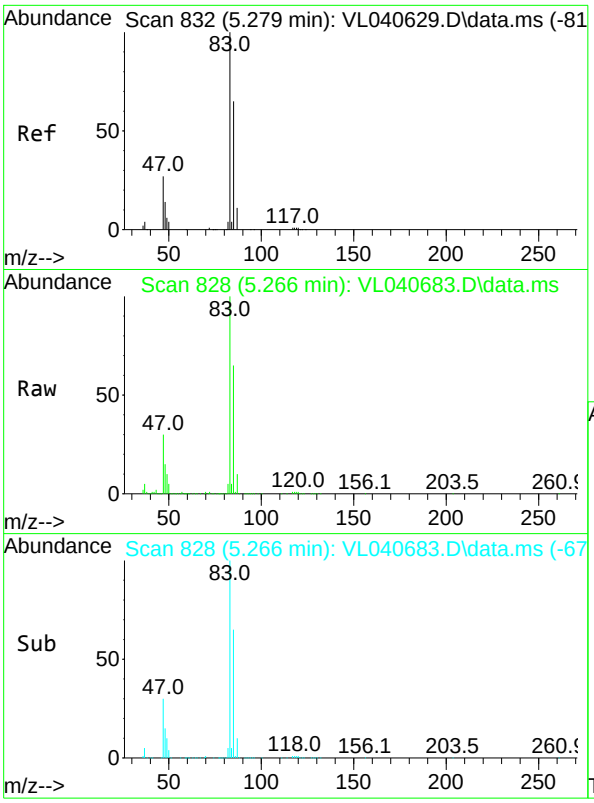


#28
Methyl tert-Butyl Ether
Concen: 9.637 ppbv
RT: 4.578 min Scan# 614
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 73 Resp: 980768

Ion	Ratio	Lower	Upper
73	100		
57	23.5	18.8	28.2



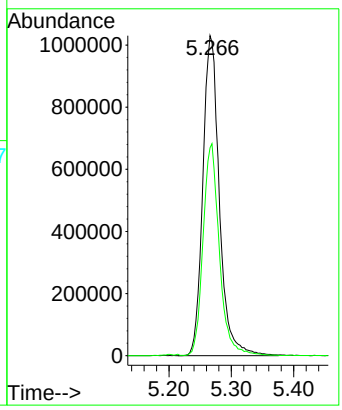


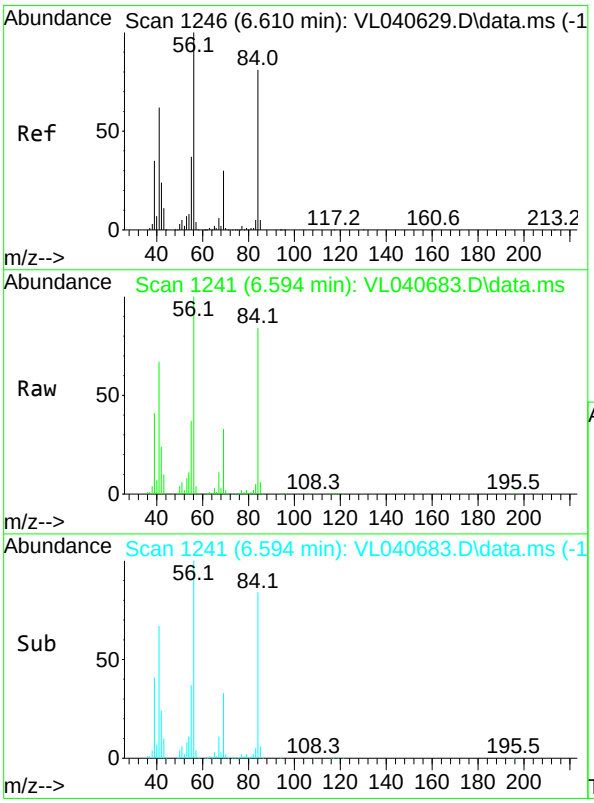
#29
Chloroform
Concen: 9.302 ppbv
RT: 5.266 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 1899705

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8

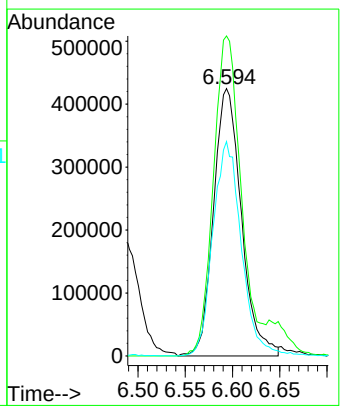


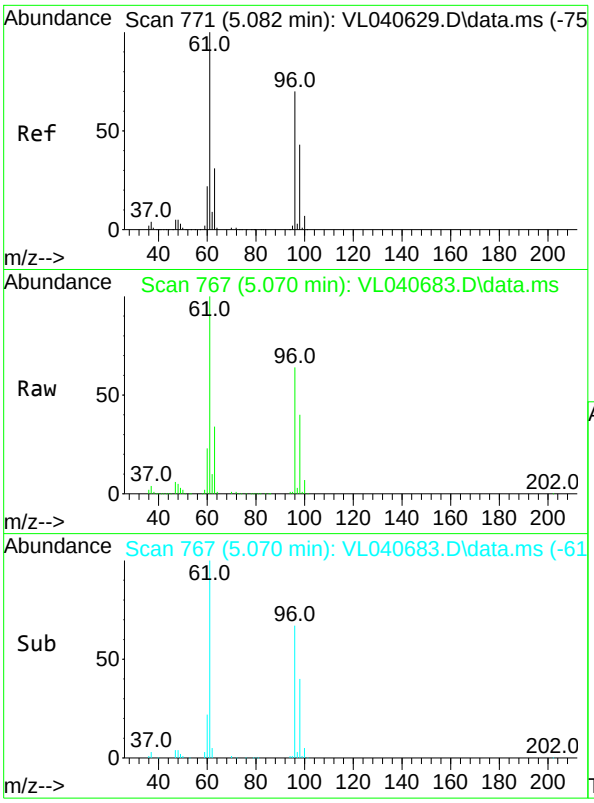


#30
Cyclohexane
Concen: 9.766 ppbv
RT: 6.594 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 84 Resp: 869961

Ion	Ratio	Lower	Upper
84	100		
56	128.9	103.2	154.8
41	82.3	65.5	98.3



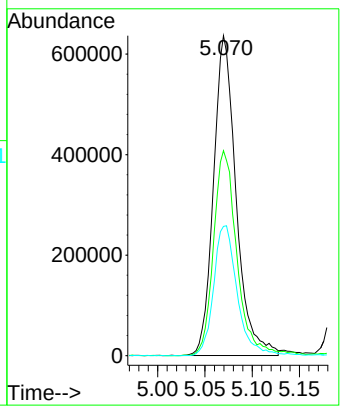


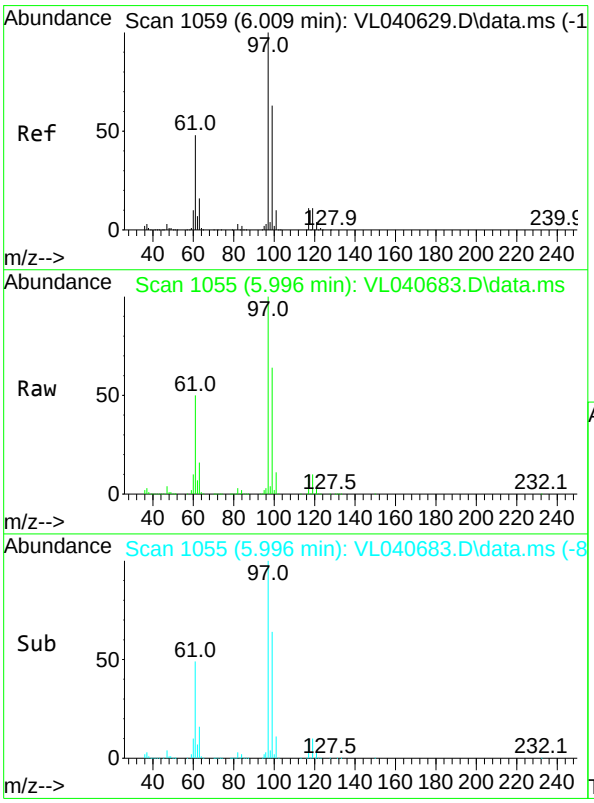
#31
cis-1,2-Dichloroethene
Concen: 9.661 ppbv
RT: 5.070 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 1060279

Ion	Ratio	Lower	Upper
61	100		
96	64.0	51.2	76.8
98	40.4	32.3	48.5

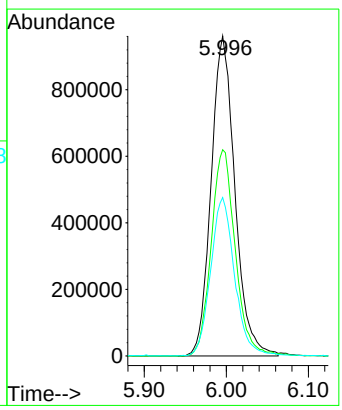


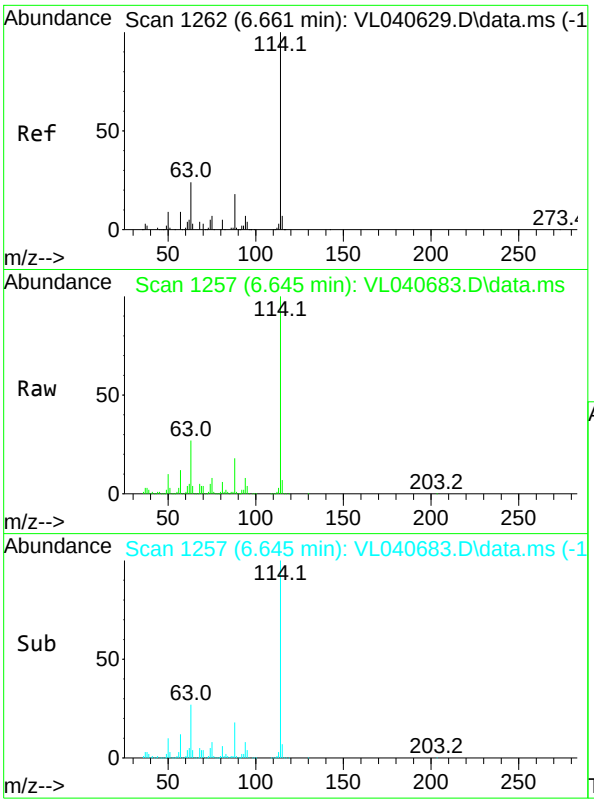


#32
1,1,1-Trichloroethane
Concen: 9.296 ppbv
RT: 5.996 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 97 Resp: 1940995

Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.4	78.6
61	50.3	40.2	60.4



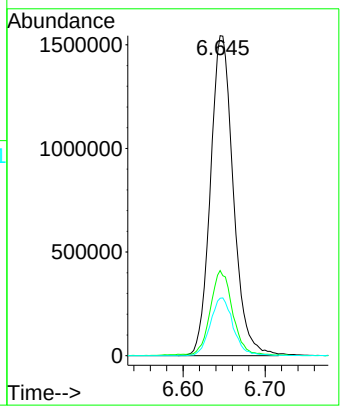


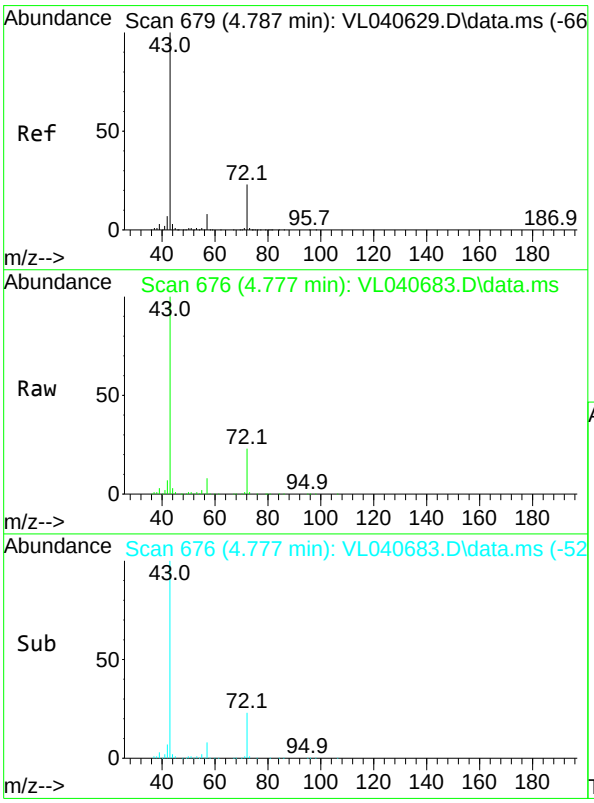
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2996181

Ion	Ratio	Lower	Upper
114	100		
63	26.4	21.1	31.7
88	18.2	14.5	21.7

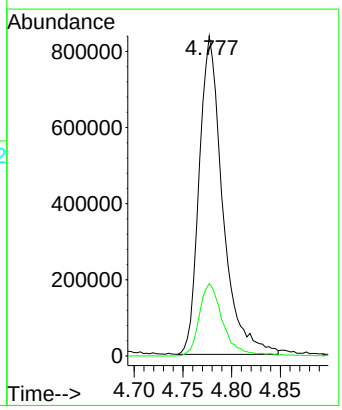


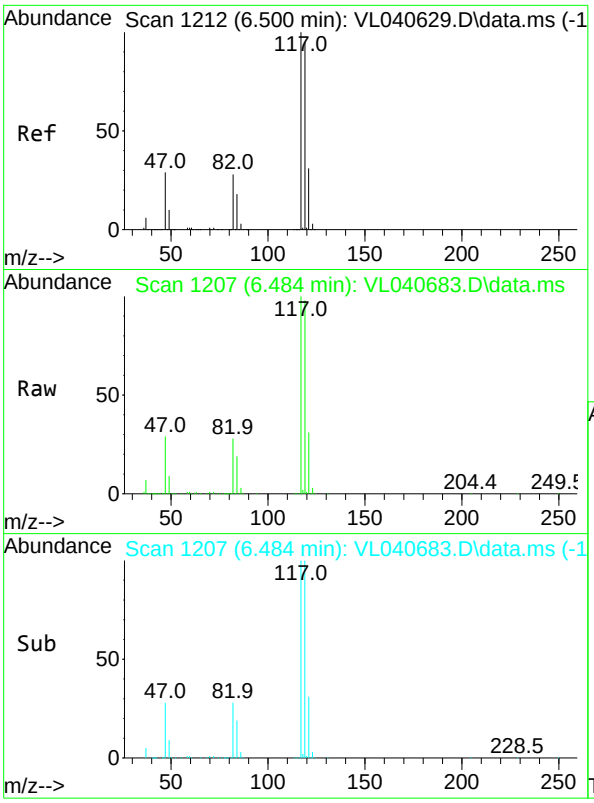


#34
2-Butanone
Concen: 9.314 ppbv
RT: 4.777 min Scan# 676
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 43 Resp: 1403471

Ion	Ratio	Lower	Upper
43	100		
72	23.2	18.6	27.8



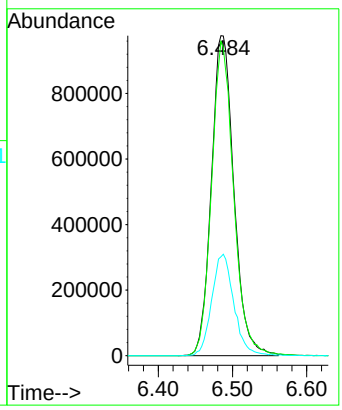


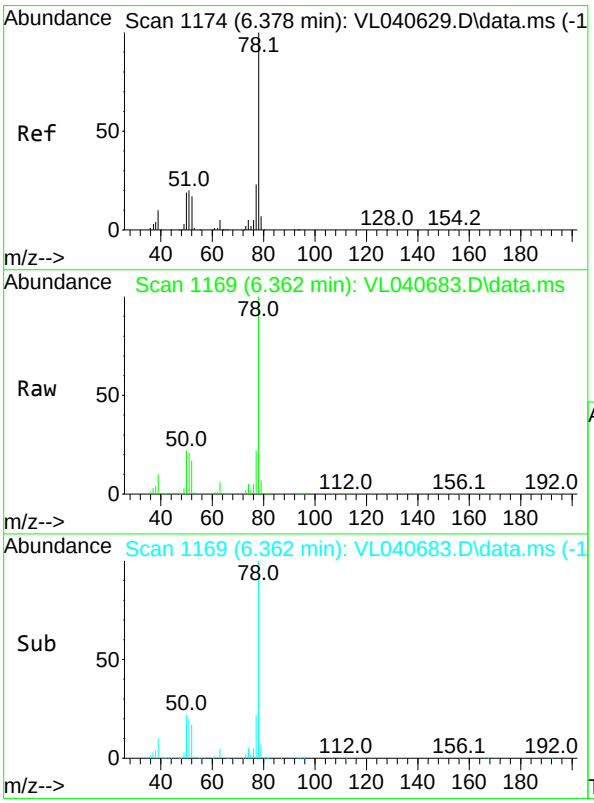
#35
Carbon Tetrachloride
Concen: 10.003 ppbv
RT: 6.484 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2057973

Ion	Ratio	Lower	Upper
117	100		
119	98.2	78.6	117.8
121	30.9	24.7	37.1

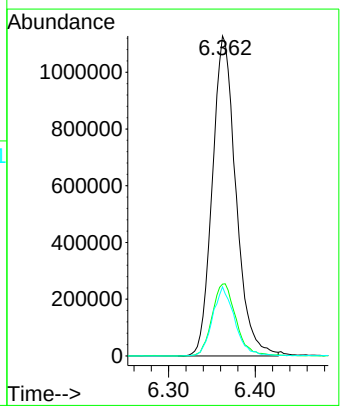


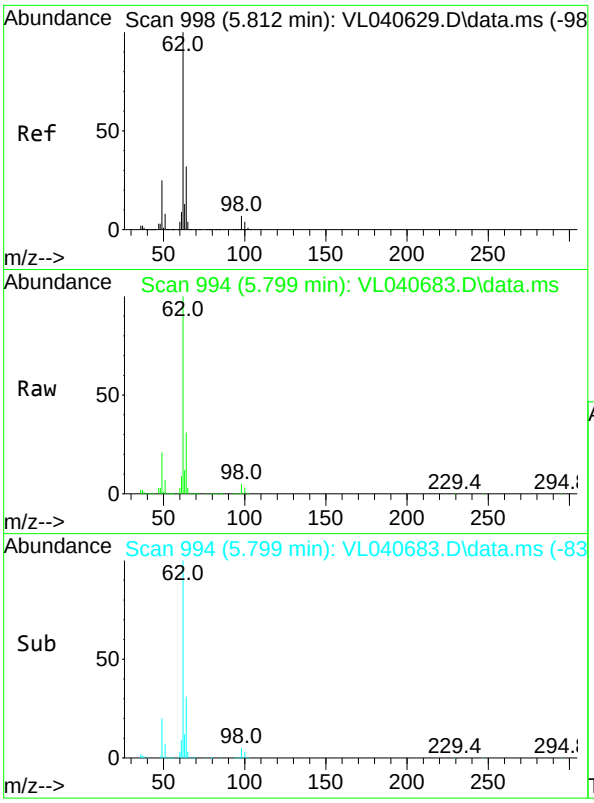


#36
Benzene
Concen: 9.609 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 78 Resp: 2131865

Ion	Ratio	Lower	Upper
78	100		
77	22.4	17.9	26.9
50	21.6	17.3	25.9



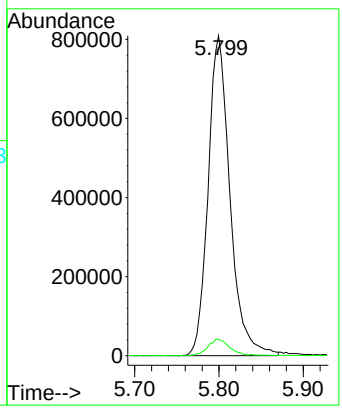


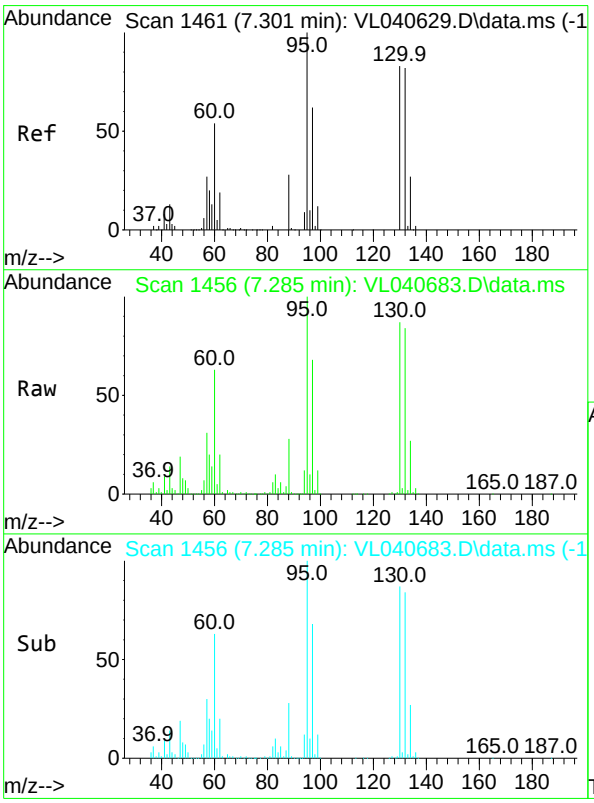
#37
1,2-Dichloroethane
Concen: 9.610 ppbv
RT: 5.799 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 1459338

Ion	Ratio	Lower	Upper
62	100		
98	5.4	4.2	6.4

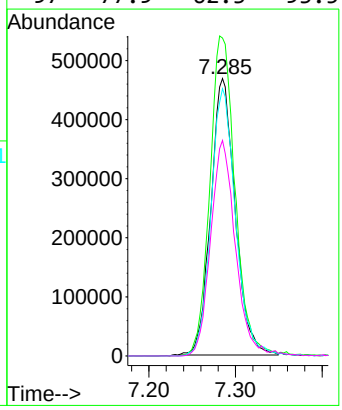


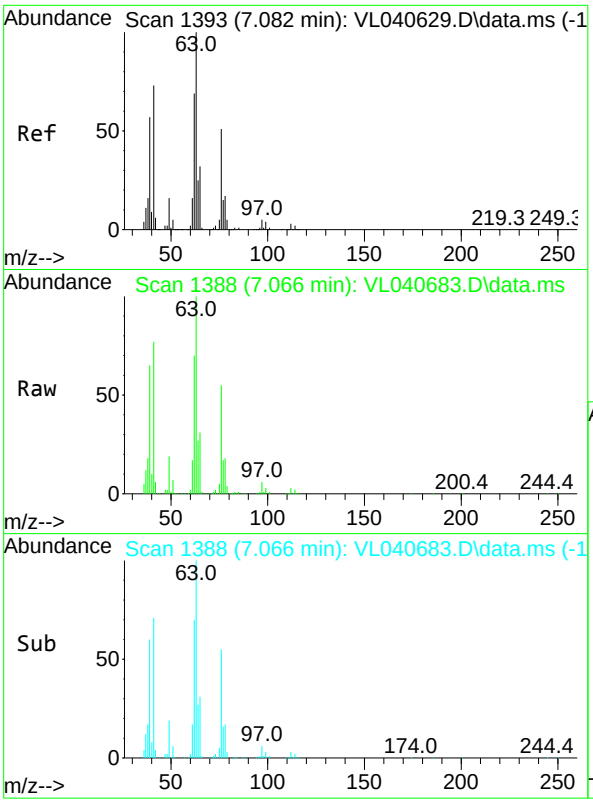


#38
Trichloroethene
Concen: 10.819 ppbv
RT: 7.285 min Scan# 1456
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion:130 Resp: 915444

Ion	Ratio	Lower	Upper
130	100		
95	114.9	91.9	137.9
132	96.6	77.3	115.9
97	77.9	62.3	93.5



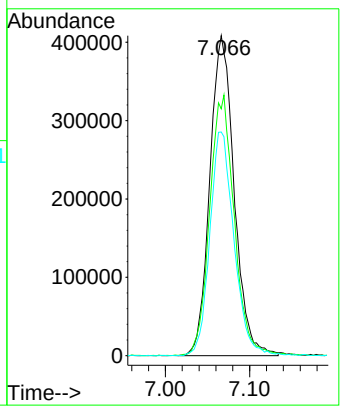


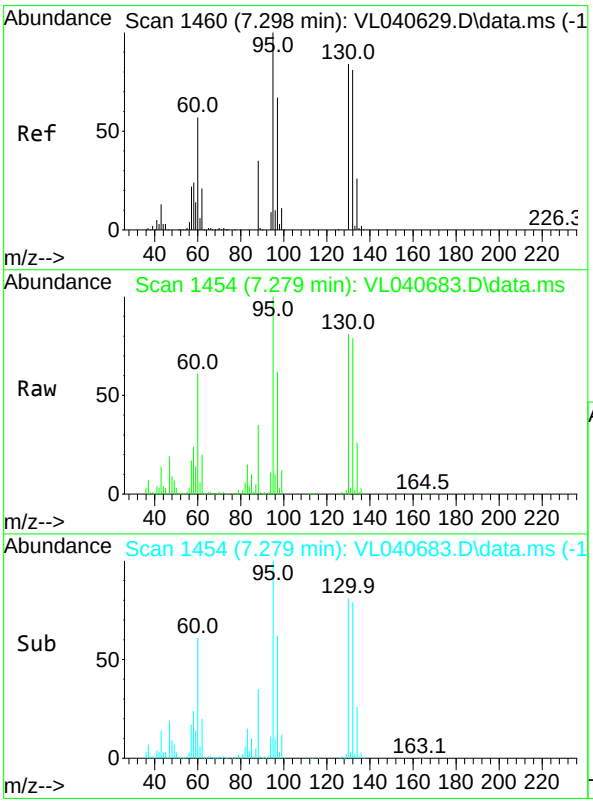
#39
1,2-Dichloropropane
Concen: 9.602 ppbv
RT: 7.066 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 820034

Ion	Ratio	Lower	Upper
63	100		
41	77.0	61.6	92.4
62	69.8	55.8	83.8

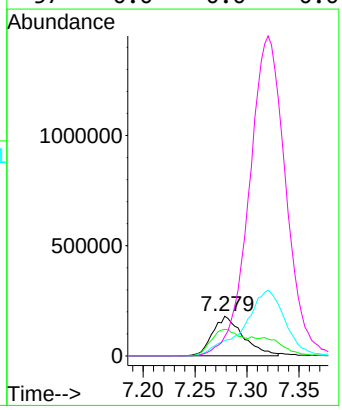


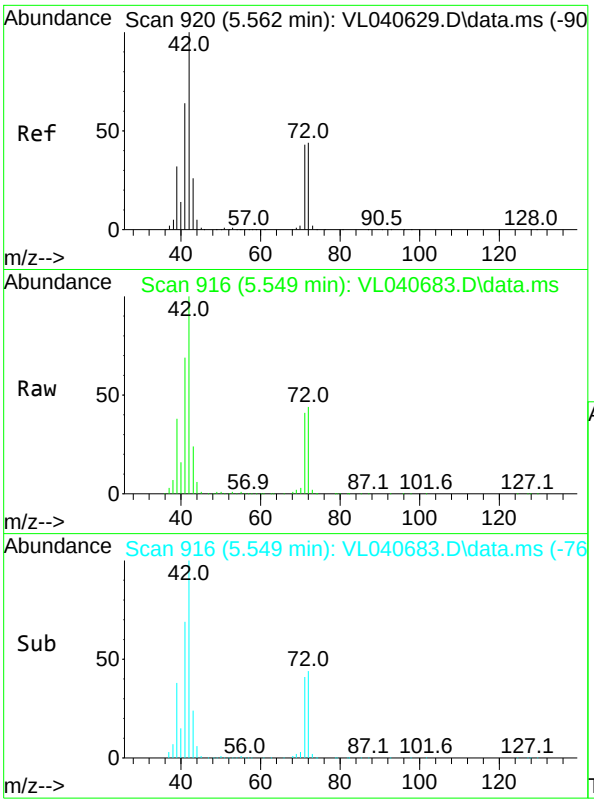


#40
1,4-Dioxane
Concen: 11.415 ppbv
RT: 7.279 min Scan# 1454
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 88 Resp: 368539

Ion	Ratio	Lower	Upper
88	100		
58	116.1	92.7	139.1
43	0.0	0.0	0.0
57	0.0	0.0	0.0



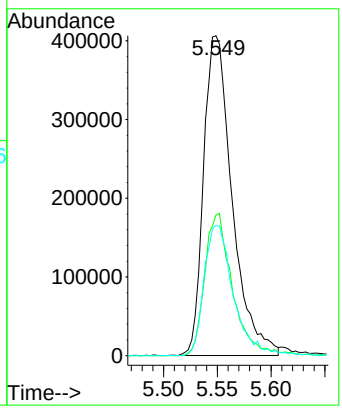


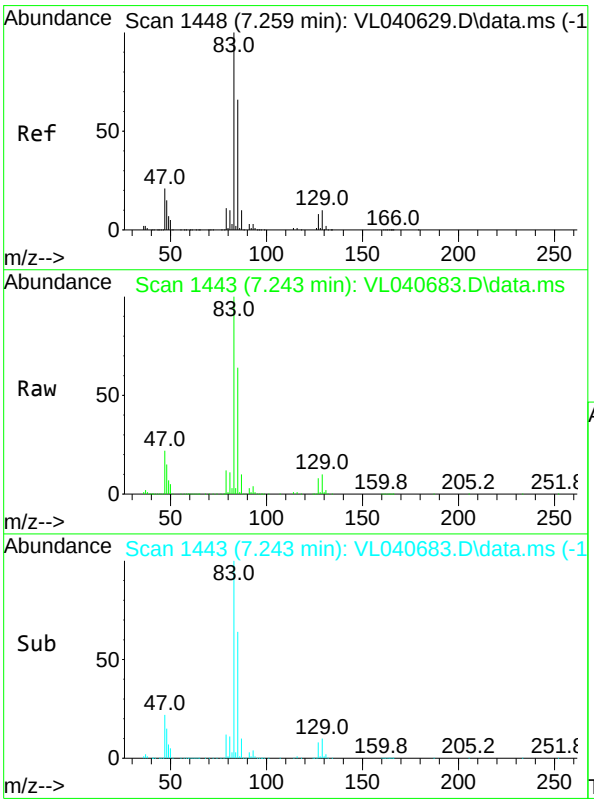
#41
Tetrahydrofuran
Concen: 9.720 ppbv
RT: 5.549 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 751022

Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.9	52.3
71	42.3	33.8	50.8

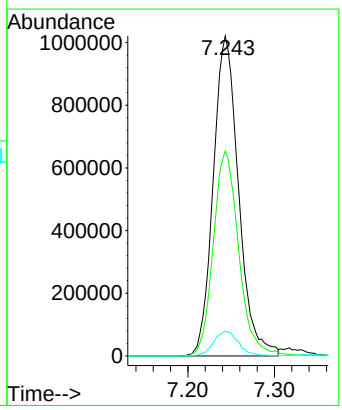


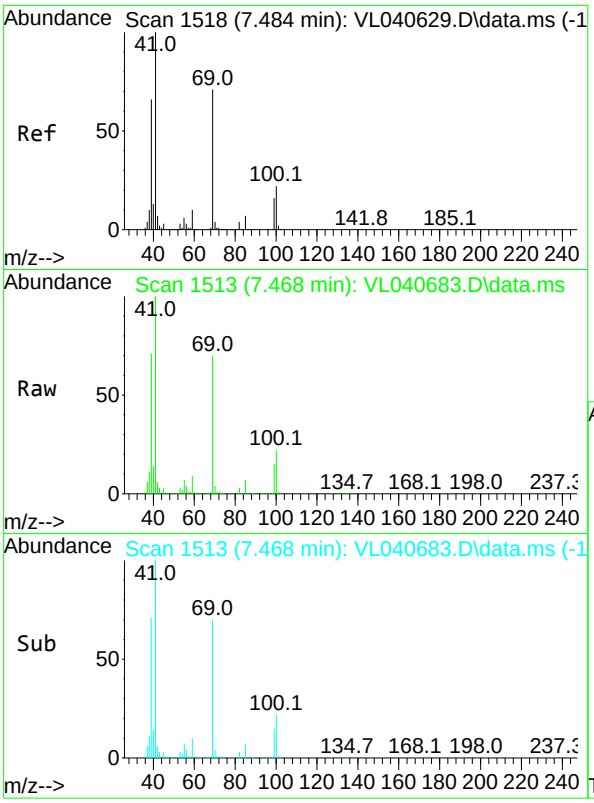


#42
Bromodichloromethane
Concen: 10.008 ppbv
RT: 7.243 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 83 Resp: 2073537

Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.2	76.8
127	7.8	6.2	9.4



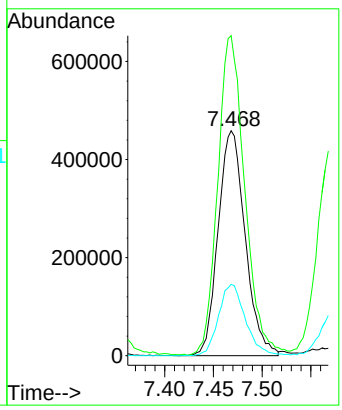


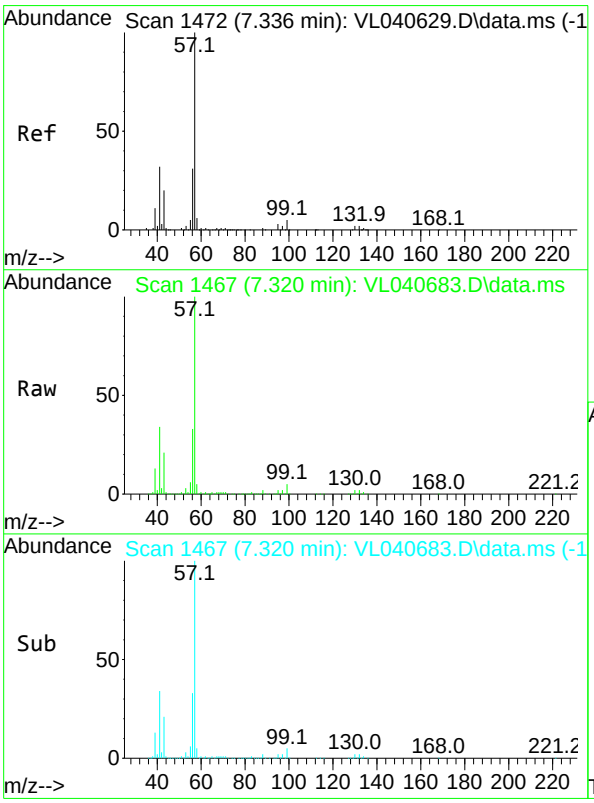
#43
Methyl Methacrylate
Concen: 10.749 ppbv
RT: 7.468 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 886491

Ion	Ratio	Lower	Upper
69	100		
41	142.3	113.8	170.8
100	31.7	25.4	38.0

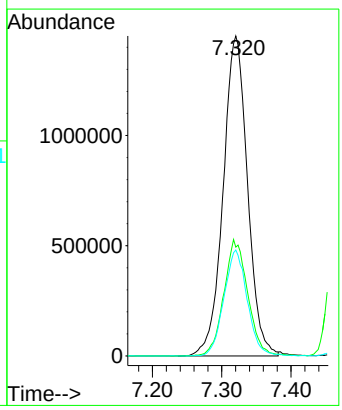


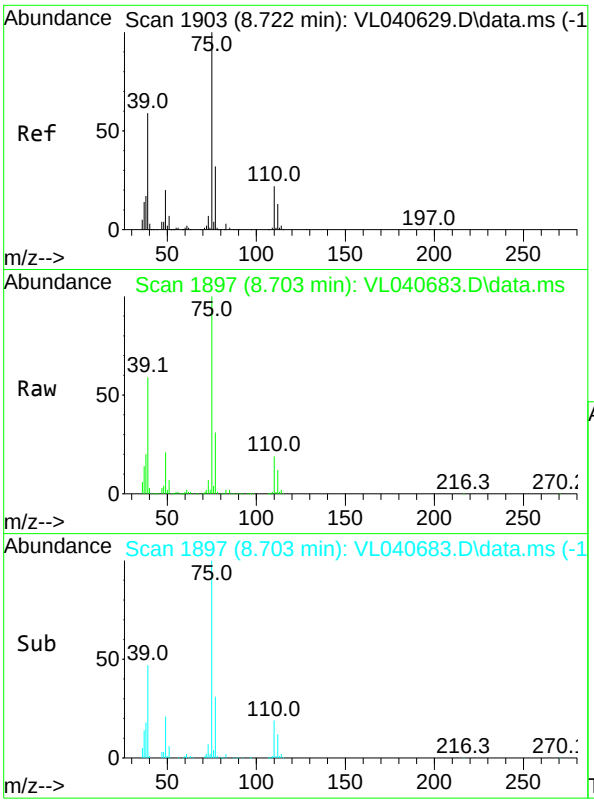


#44
2,2,4-Trimethylpentane
Concen: 10.033 ppbv
RT: 7.320 min Scan# 1467
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 57 Resp: 3544470

Ion	Ratio	Lower	Upper
57	100		
41	35.6	28.5	42.7
56	31.8	25.4	38.2



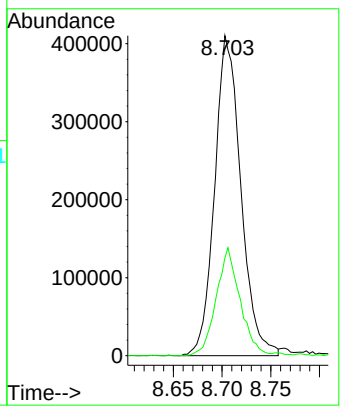


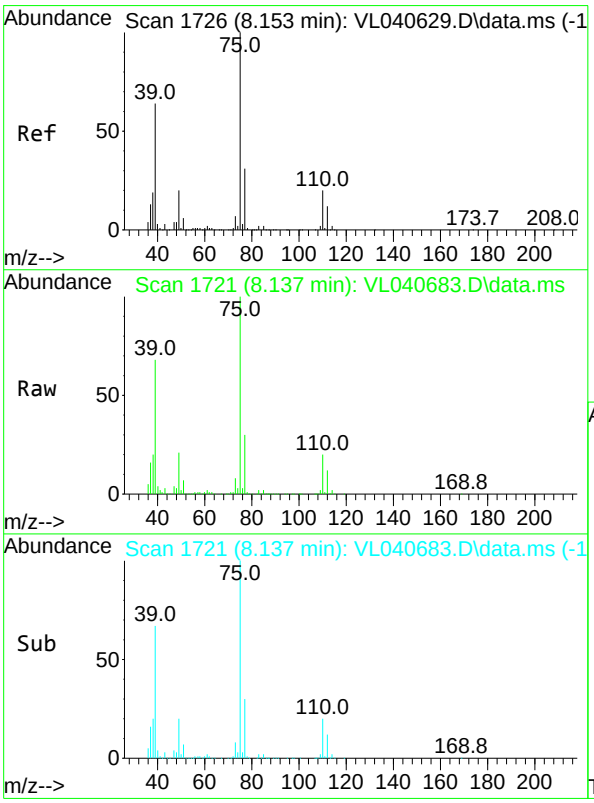
#45
t-1,3-Dichloropropene
Concen: 12.005 ppbv
RT: 8.703 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 767696

Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.5	36.7

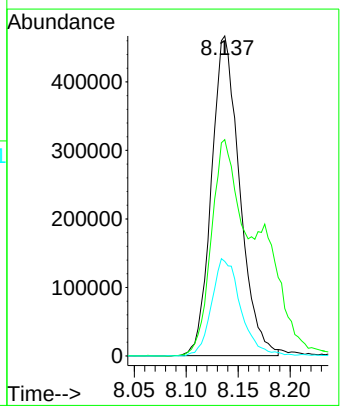


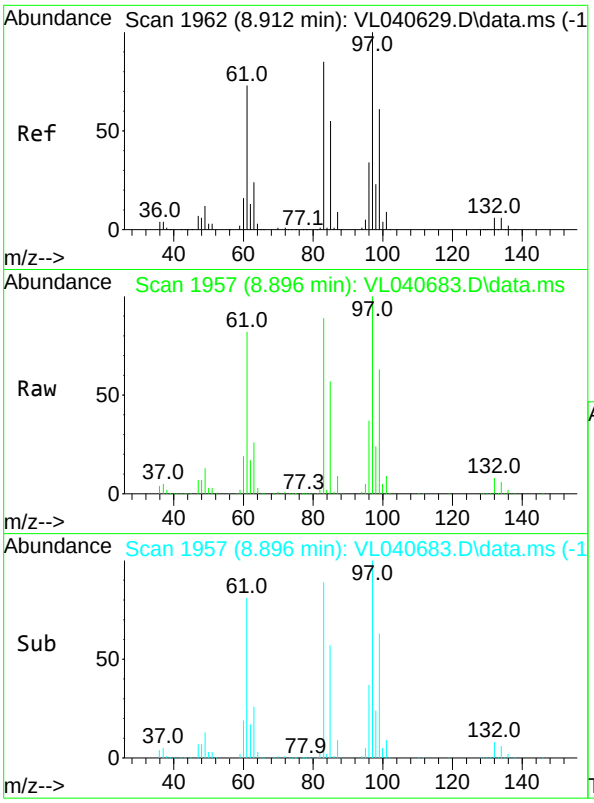


#46
cis-1,3-Dichloropropene
Concen: 11.276 ppbv
RT: 8.137 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 75 Resp: 882266

Ion	Ratio	Lower	Upper
75	100		
39	67.5	54.0	81.0
77	29.5	23.6	35.4



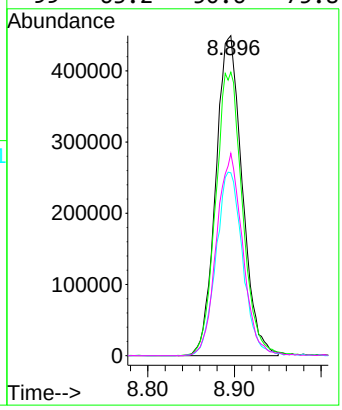


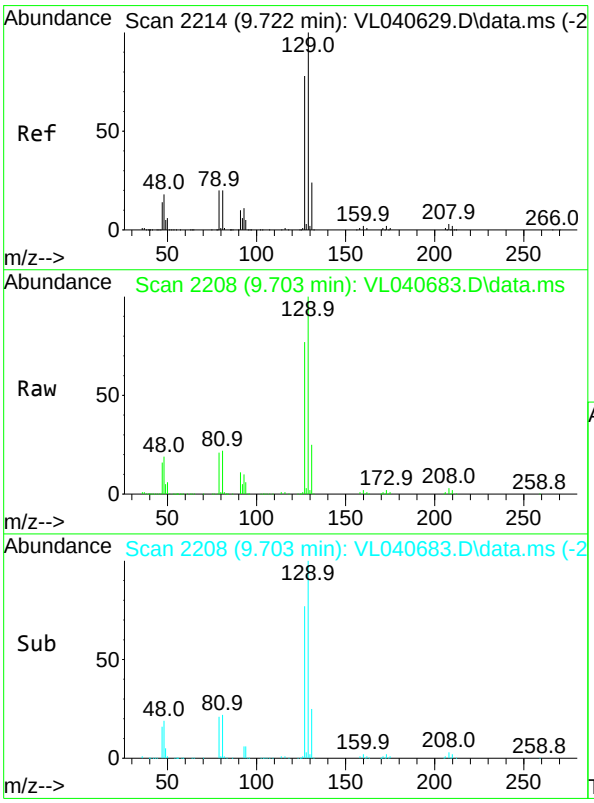
#47
1,1,2-Trichloroethane
Concen: 9.746 ppbv
RT: 8.896 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 955193

Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.8	106.2
85	57.1	45.7	68.5
99	63.2	50.6	75.8

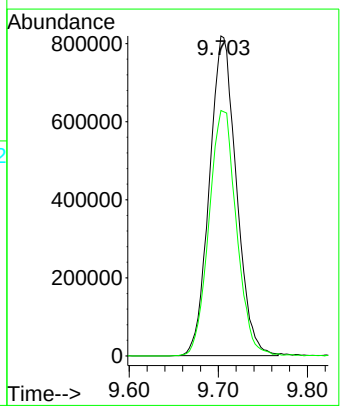


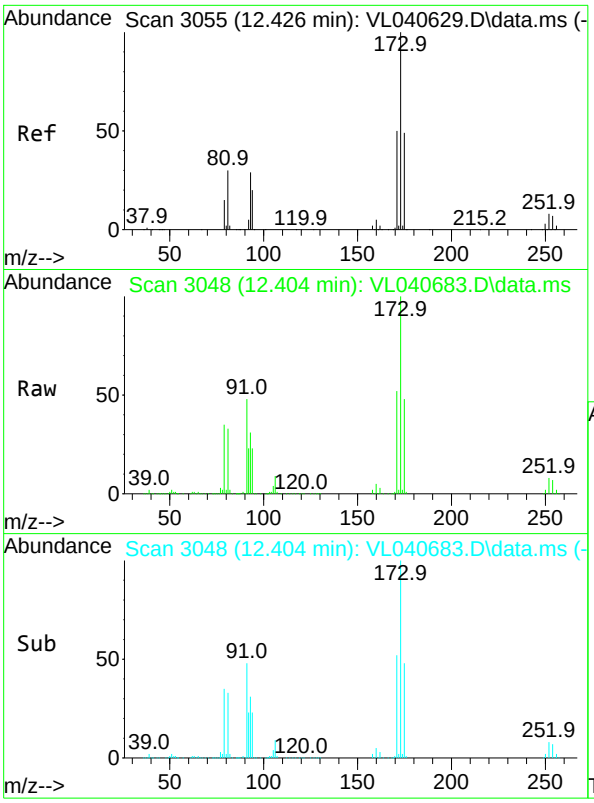


#48
Dibromochloromethane
Concen: 10.623 ppbv
RT: 9.703 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion:129 Resp: 1717461

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.4	118.2



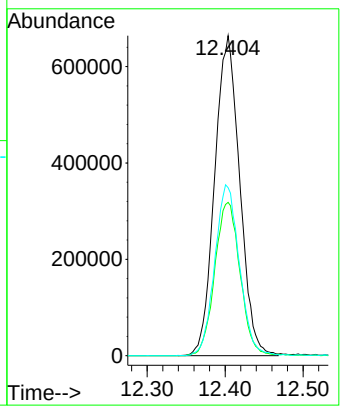


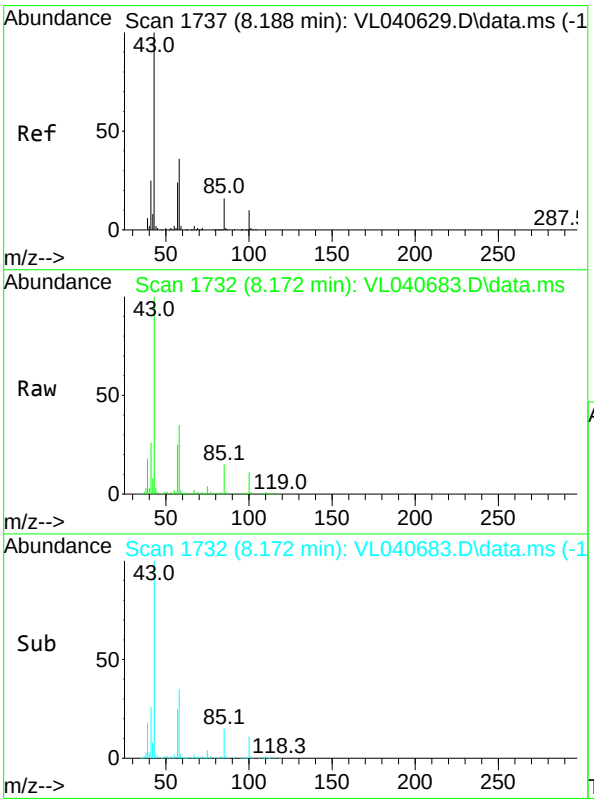
#49
Bromoform
Concen: 11.166 ppbv
RT: 12.404 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 1482675

Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.8	58.2
171	52.8	42.2	63.2

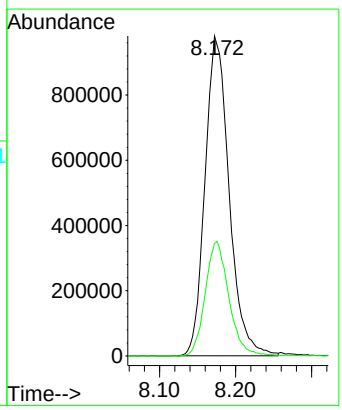


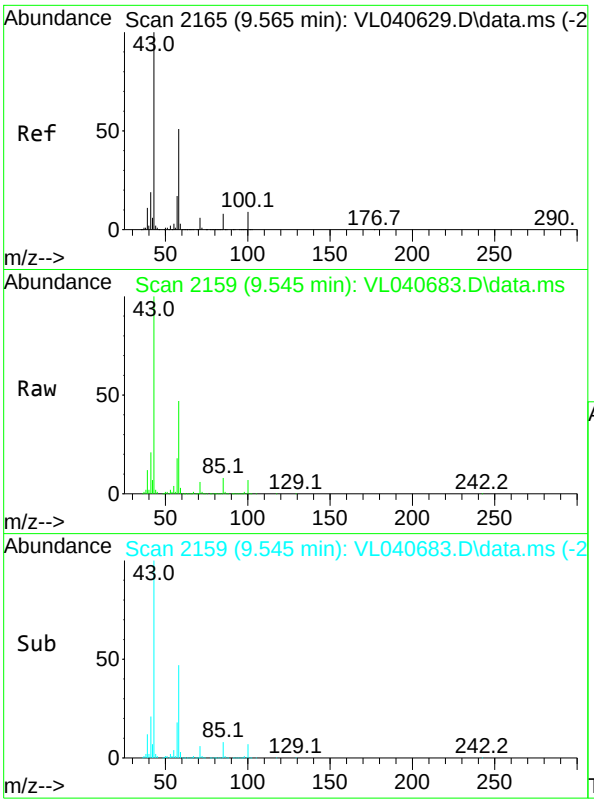


#50
4-Methyl-2-Pentanone
Concen: 10.616 ppbv
RT: 8.172 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 43 Resp: 2161594

Ion	Ratio	Lower	Upper
43	100		
58	35.3	28.2	42.4



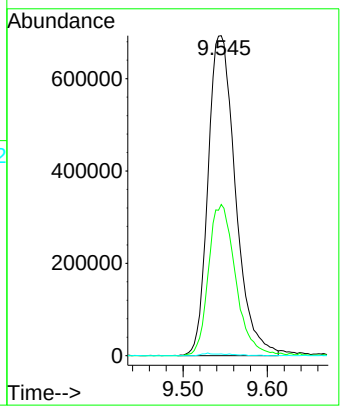


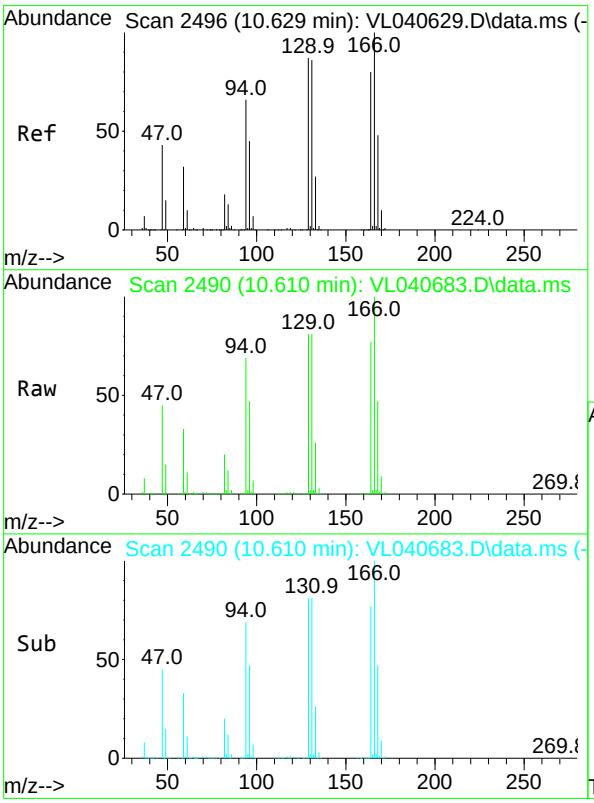
#51
2-Hexanone
Concen: 11.165 ppbv
RT: 9.545 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1569123

Ion	Ratio	Lower	Upper
43	100		
58	47.0	37.6	56.4
98	0.8	0.6	1.0

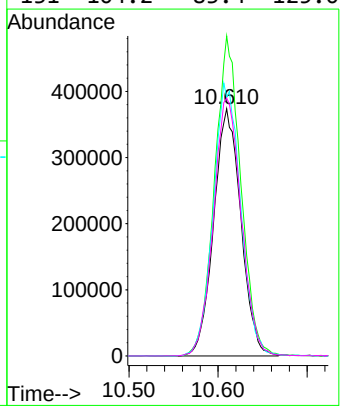


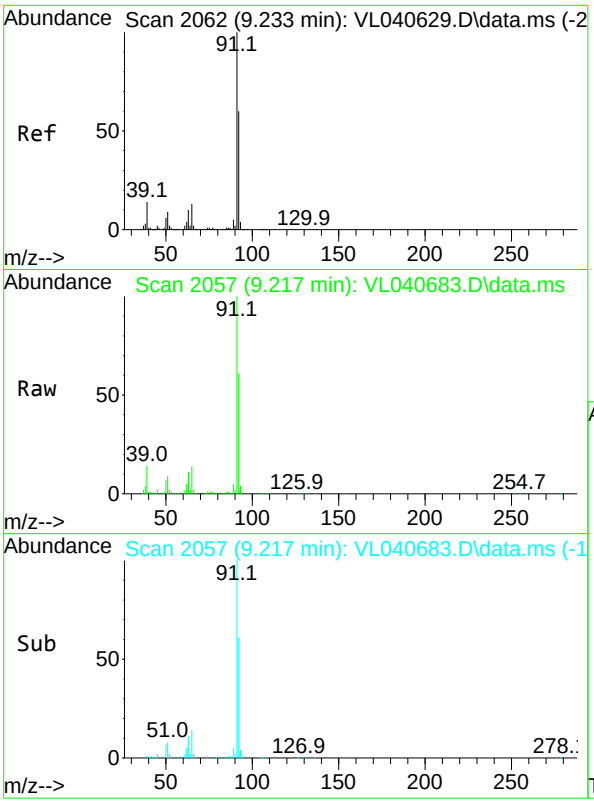


#52
Tetrachloroethene
Concen: 10.918 ppbv
RT: 10.610 min Scan# 2490
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion:164 Resp: 790140

Ion	Ratio	Lower	Upper
164	100		
166	129.3	103.4	155.2
129	104.4	83.5	125.3
131	104.2	83.4	125.0



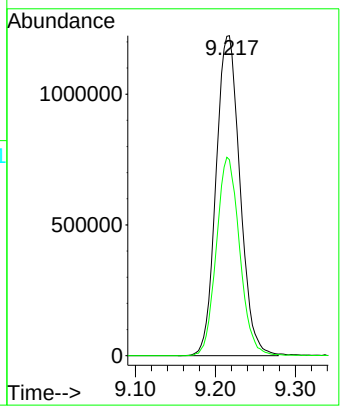


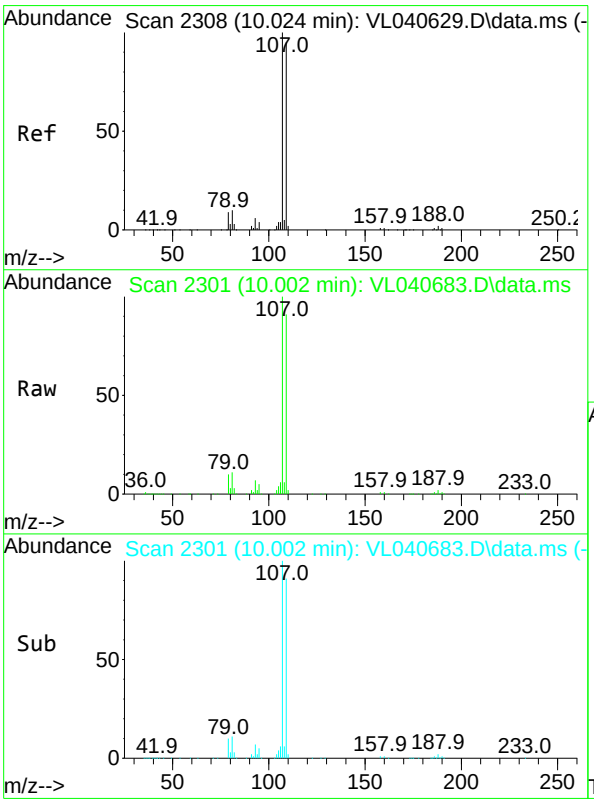
#53
Toluene
Concen: 10.838 ppbv
RT: 9.217 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 2538829

Ion	Ratio	Lower	Upper
91	100		
92	60.6	48.5	72.7

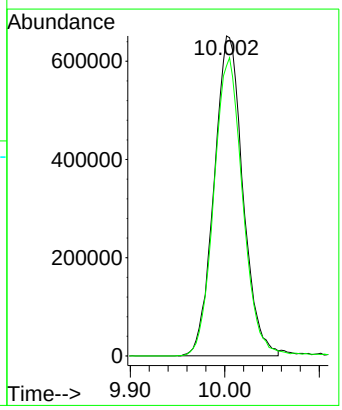


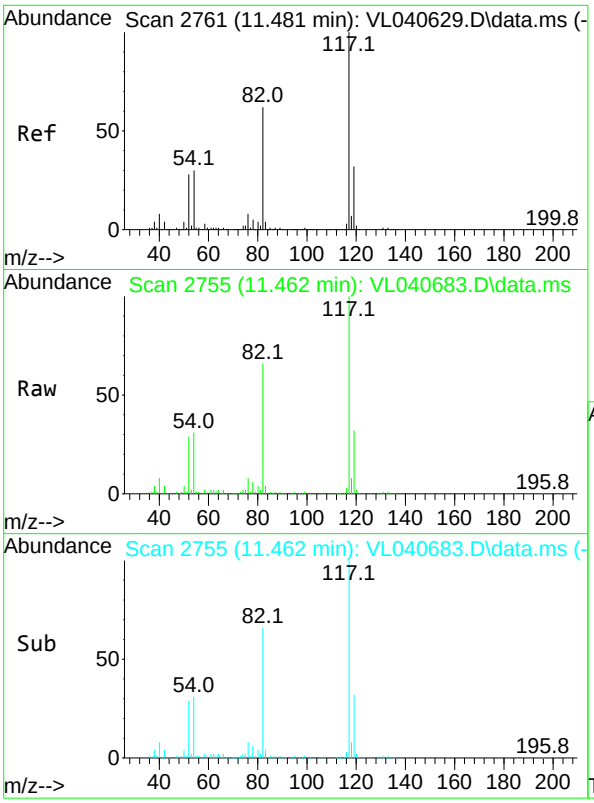


#54
1,2-Dibromoethane
Concen: 11.007 ppbv
RT: 10.002 min Scan# 2301
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion:107 Resp: 1376935

Ion	Ratio	Lower	Upper
107	100		
109	90.5	72.4	108.6



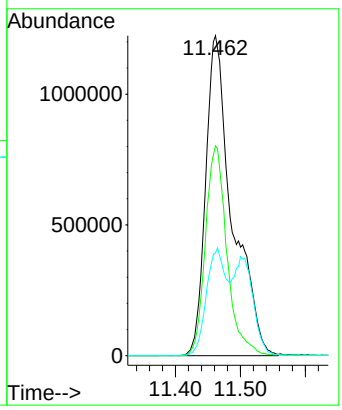


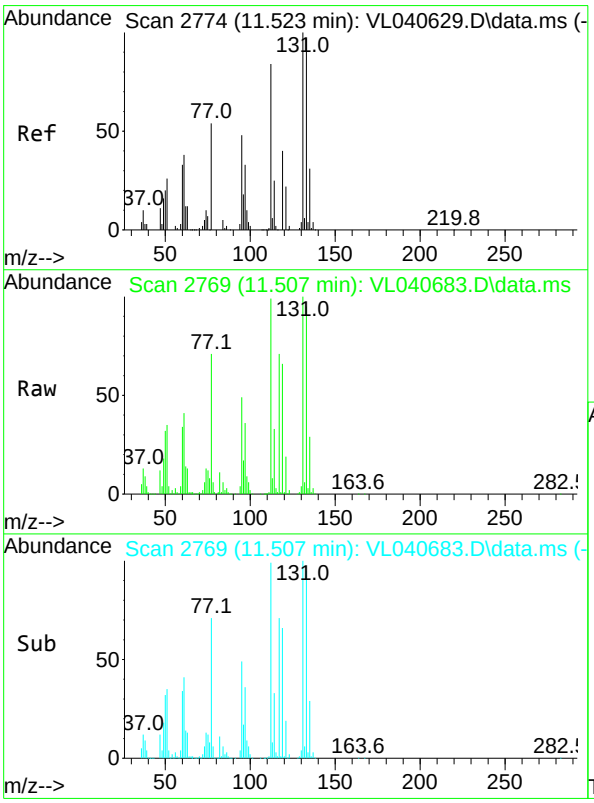
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 3488167

Ion	Ratio	Lower	Upper
117	100		
82	53.4	51.4	77.0
119	24.1	24.7	37.1#

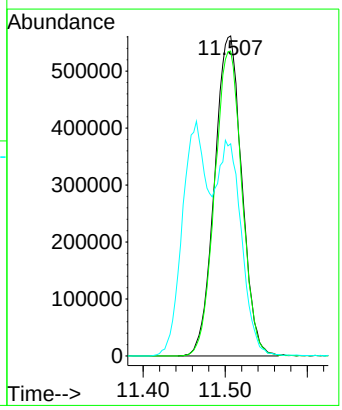


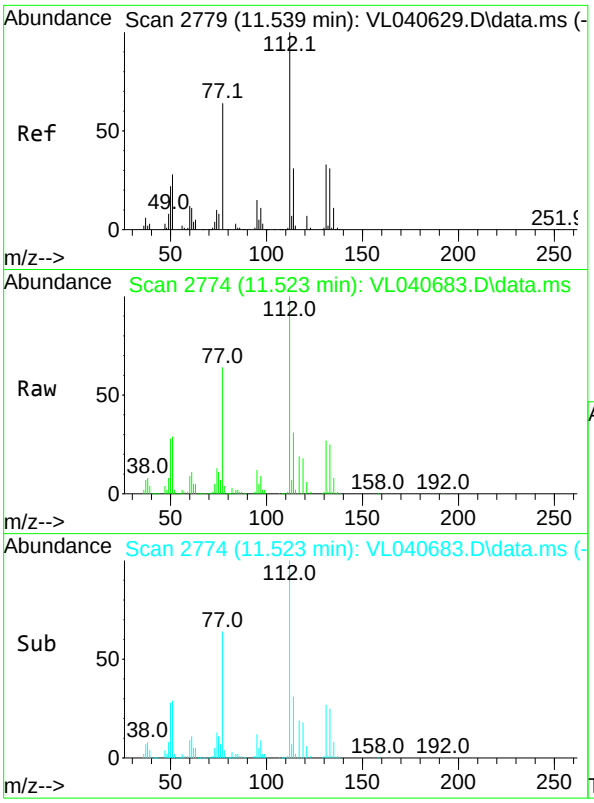


#56
1,1,1,2-Tetrachloroethane
Concen: 7.810 ppbv
RT: 11.507 min Scan# 2769
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion:131 Resp: 1298581

Ion	Ratio	Lower	Upper
131	100		
133	95.2	76.2	114.2
119	56.9	45.5	68.3



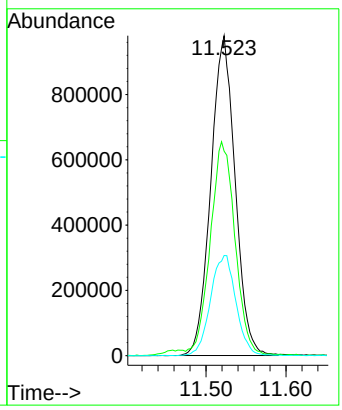


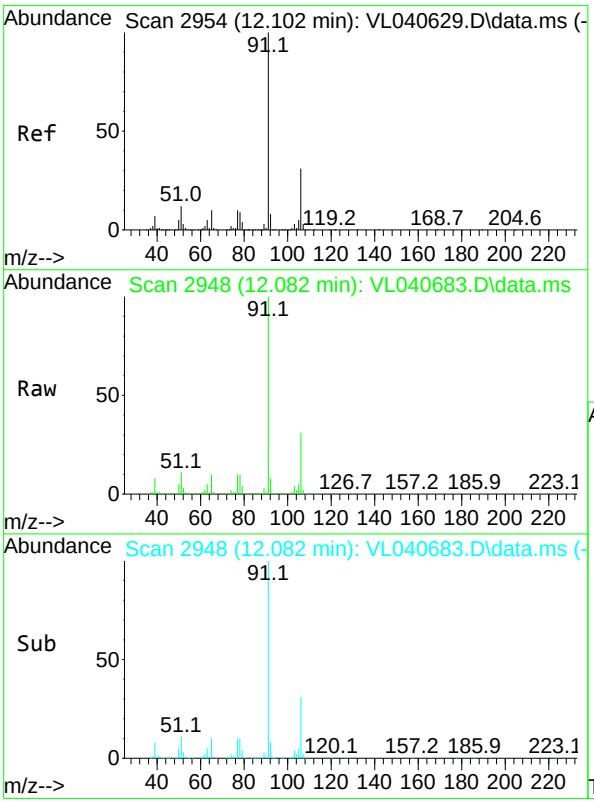
#57
Chlorobenzene
Concen: 7.828 ppbv
RT: 11.523 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 2067828

Ion	Ratio	Lower	Upper
112	100		
77	63.5	50.8	76.2
114	31.3	28.2	34.4

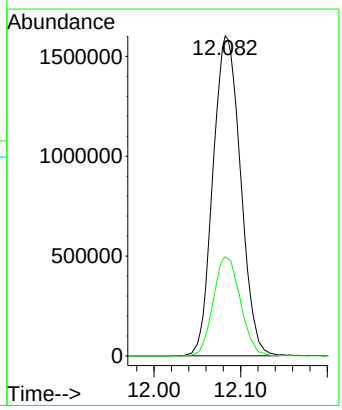


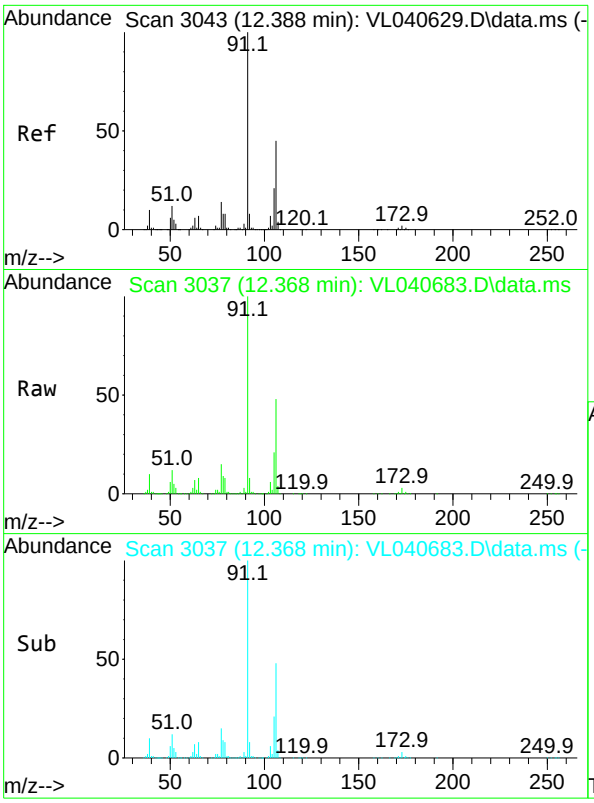


#58
Ethyl Benzene
Concen: 8.893 ppbv
RT: 12.082 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 91 Resp: 3536716

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.7	37.1



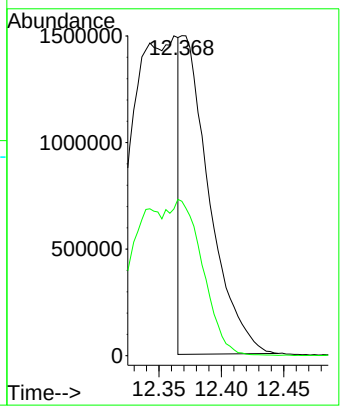


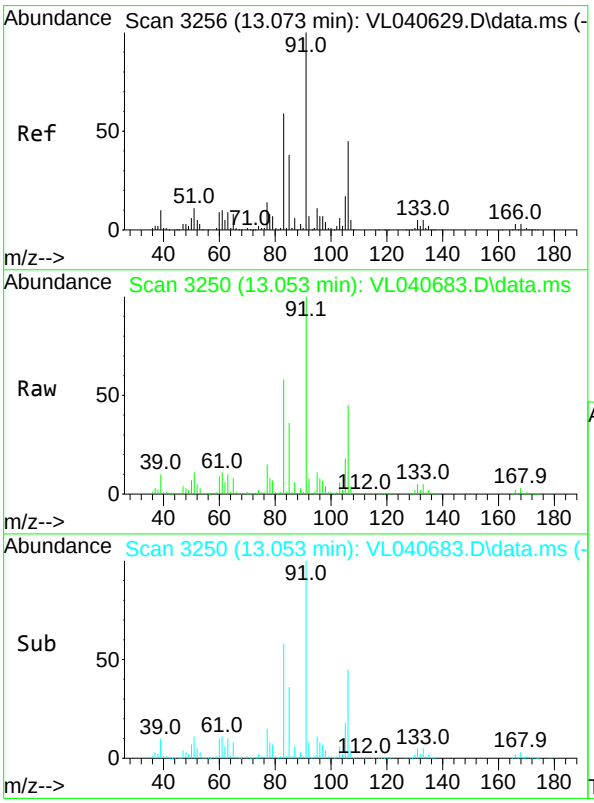
#59
m/p-Xylene
Concen: 6.390 ppbv
RT: 12.368 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 2386373

Ion	Ratio	Lower	Upper
91	100		
106	116.0	34.8	52.2#

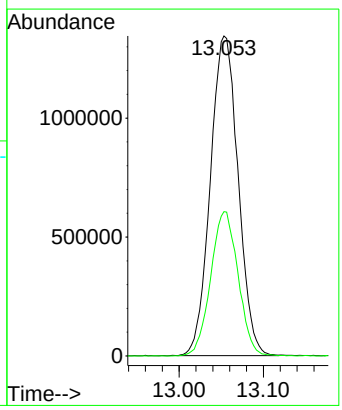


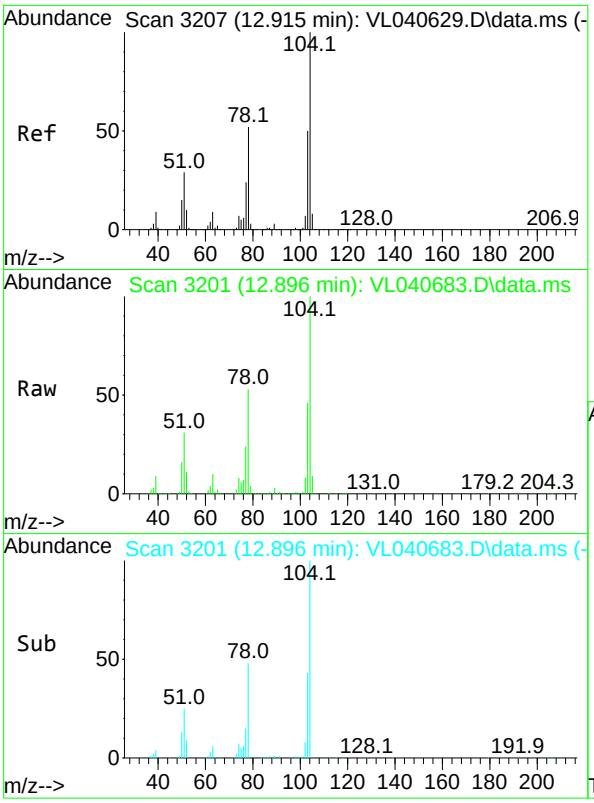


#60
o-Xylene
Concen: 8.640 ppbv
RT: 13.053 min Scan# 3250
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 91 Resp: 3077163

Ion	Ratio	Lower	Upper
91	100		
106	44.6	22.3	66.9



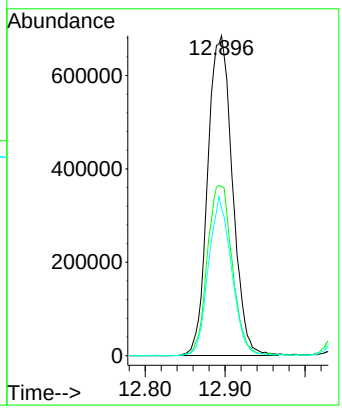


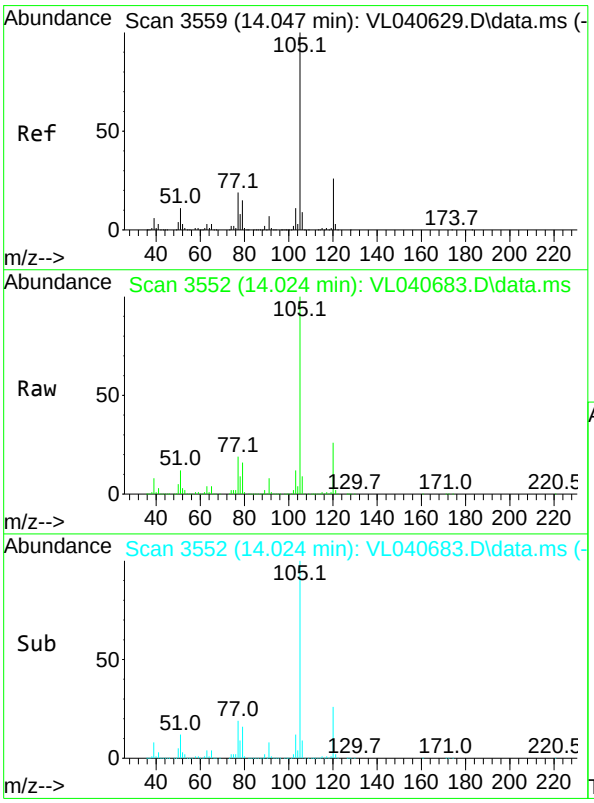
#61
Styrene
Concen: 9.856 ppbv
RT: 12.896 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 1471009

Ion	Ratio	Lower	Upper
104	100		
78	54.2	43.4	65.0
103	46.5	37.2	55.8

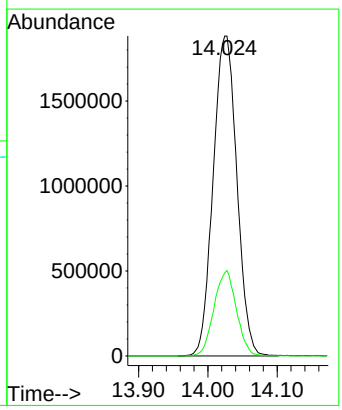


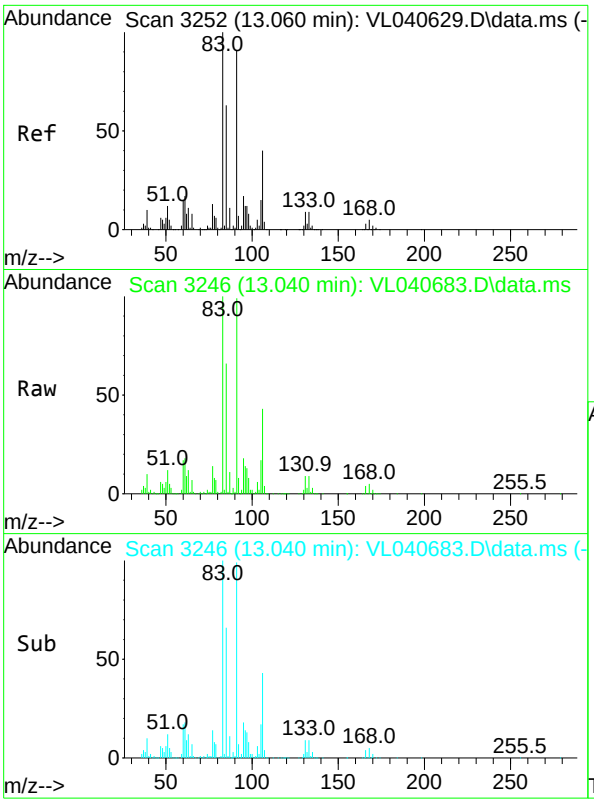


#62
Isopropylbenzene
Concen: 8.325 ppbv
RT: 14.024 min Scan# 3552
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion:105 Resp: 4476584

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.2	30.4



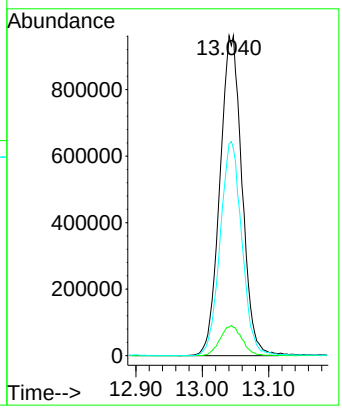


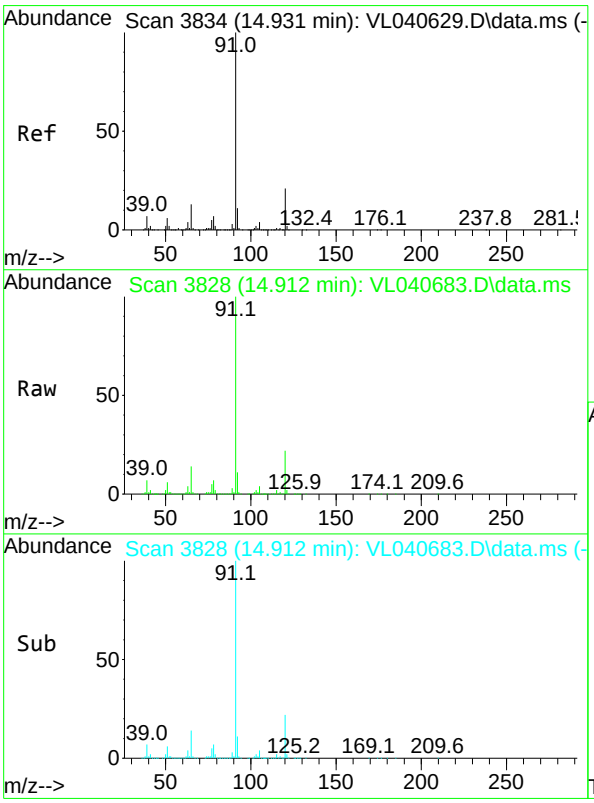
#63
1,1,2,2-Tetrachloroethane
Concen: 7.958 ppbv
RT: 13.040 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 2221203

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.7	14.1
85	66.2	33.1	99.3

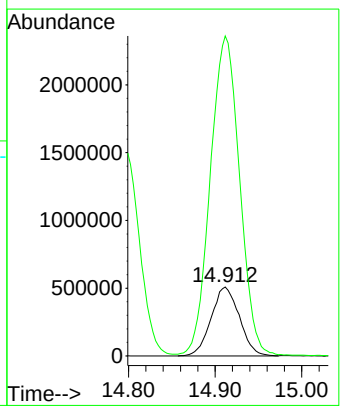


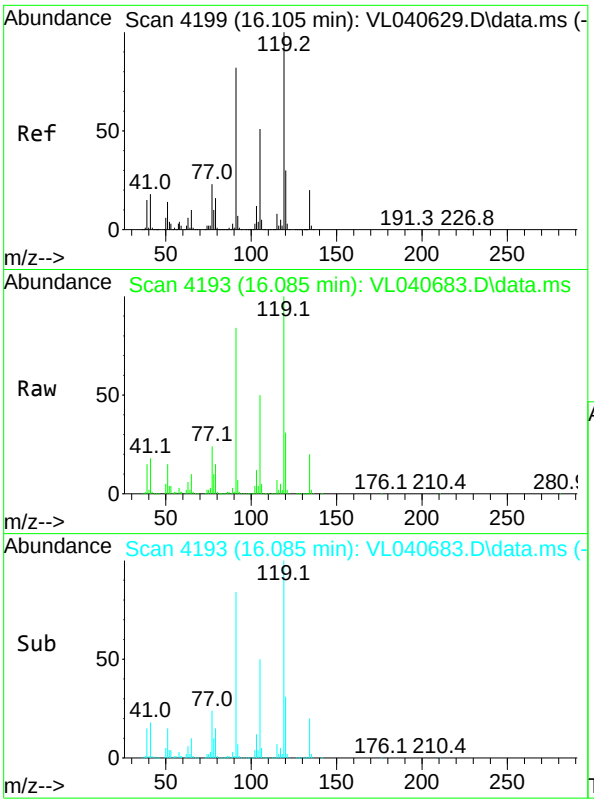


#64
n-propylbenzene
Concen: 8.569 ppbv
RT: 14.912 min Scan# 3828
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion:120 Resp: 1152034

Ion	Ratio	Lower	Upper
120	100		
91	483.1	386.9	580.3



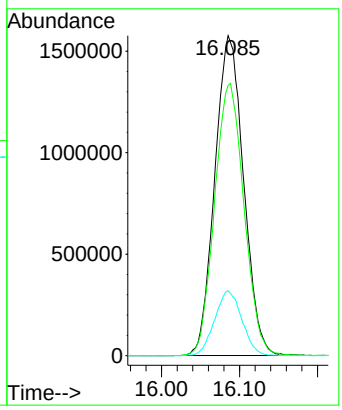


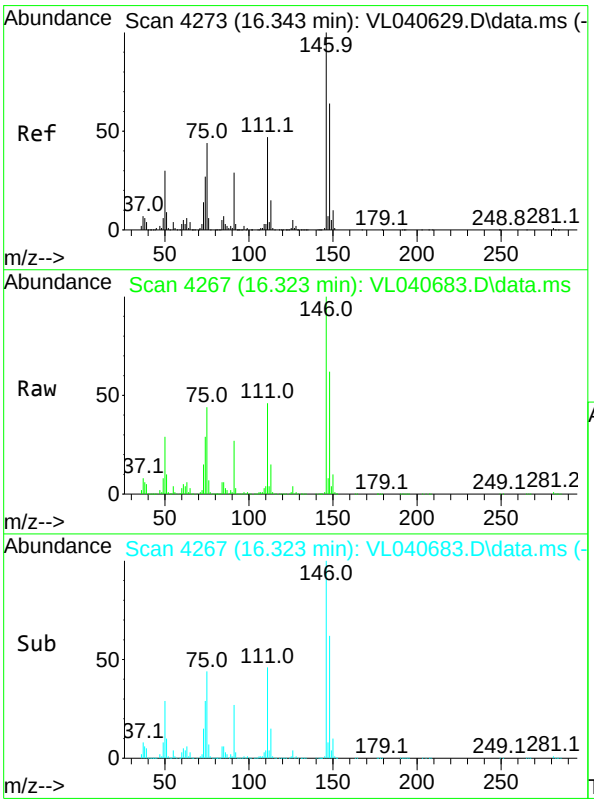
#65
tert-Butylbenzene
Concen: 8.372 ppbv
RT: 16.085 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 4040586

Ion	Ratio	Lower	Upper
119	100		
91	87.3	69.8	104.8
134	19.3	15.4	23.2

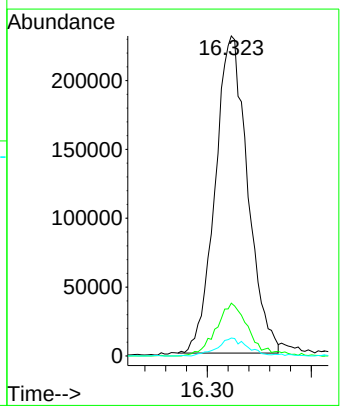


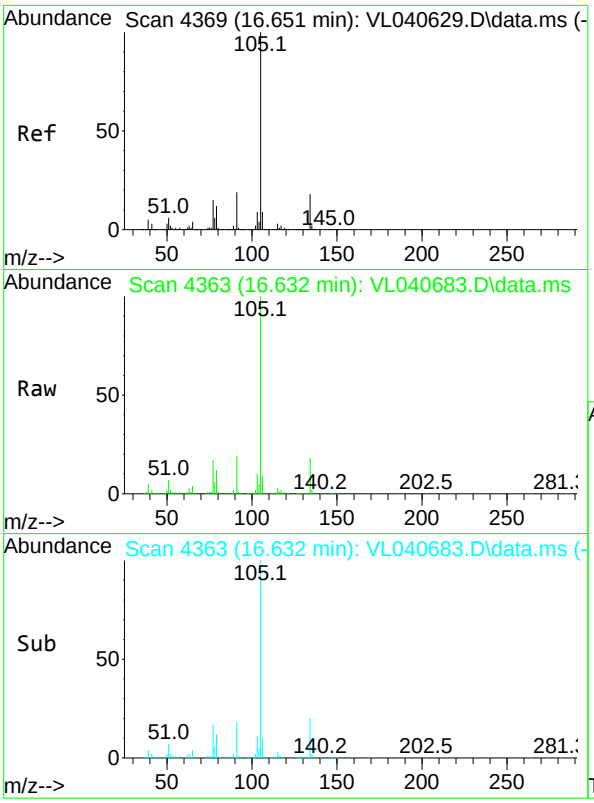


#66
Benzyl Chloride
Concen: 8.882 ppbv
RT: 16.323 min Scan# 4267
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 91 Resp: 500252

Ion	Ratio	Lower	Upper
91	100		
126	17.0	13.6	20.4
128	5.5	4.4	6.6



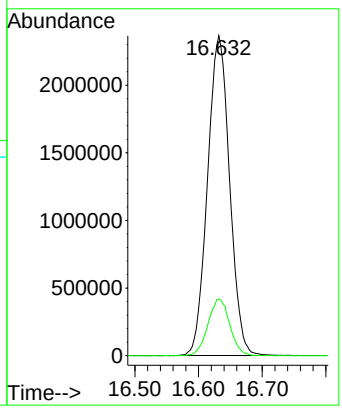


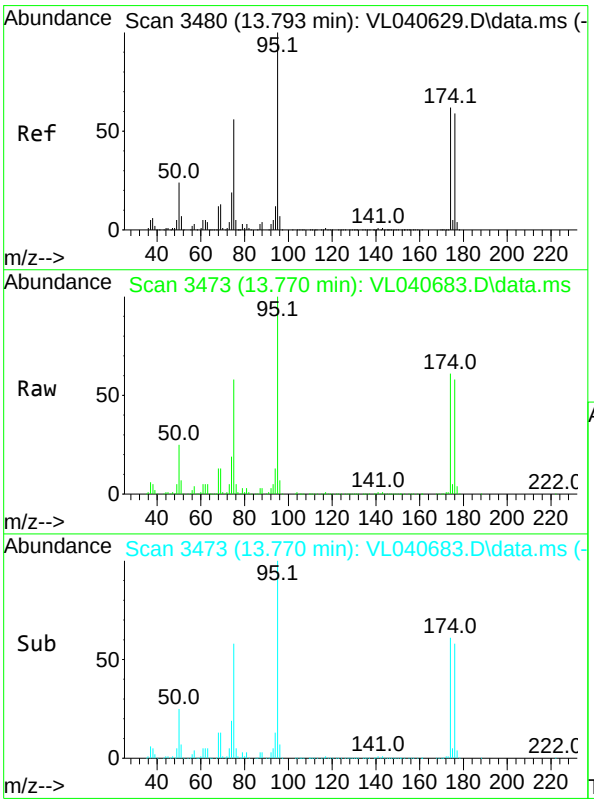
#67
sec-Butylbenzene
Concen: 8.258 ppbv
RT: 16.632 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 5704979

Ion	Ratio	Lower	Upper
105	100		
134	17.6	14.1	21.1

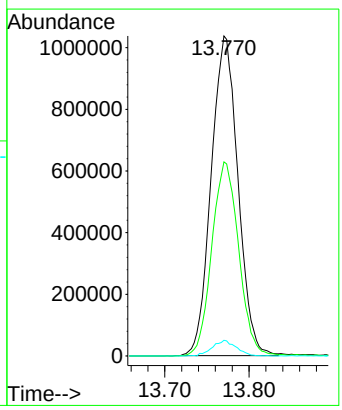


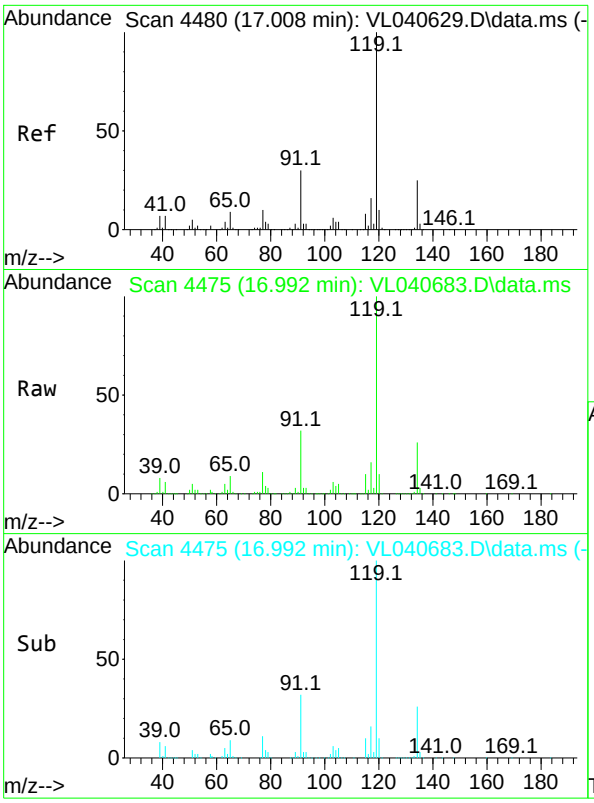


#68
1-Bromo-4-Fluorobenzene
Concen: 8.493 ppbv
RT: 13.770 min Scan# 3473
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 95 Resp: 2288772

Ion	Ratio	Lower	Upper
95	100		
174	60.9	48.9	73.3
175	4.4	3.5	5.3



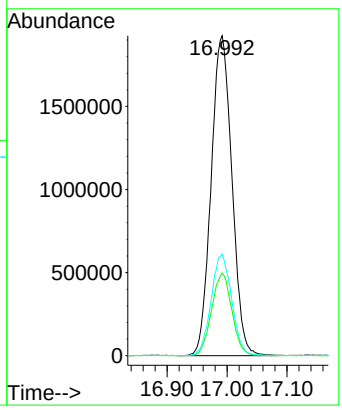


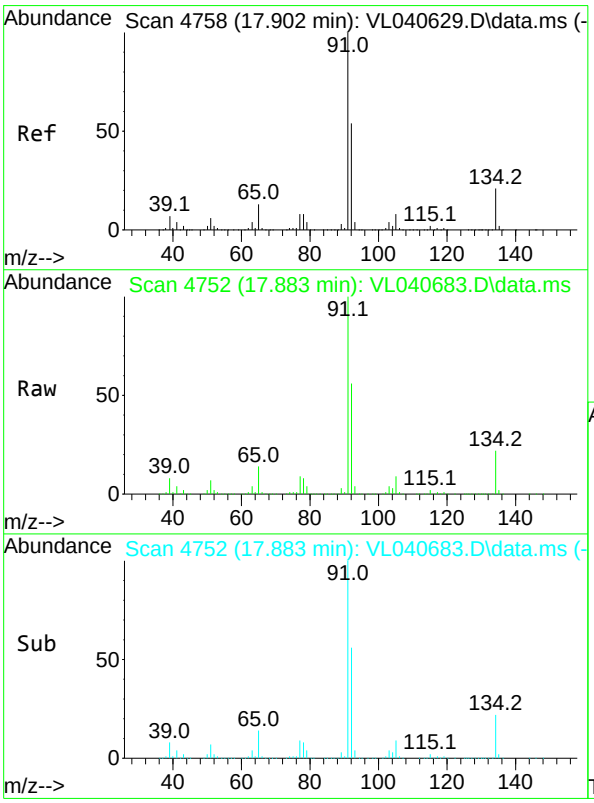
#69
p-Isopropyltoluene
Concen: 8.523 ppbv
RT: 16.992 min Scan# 44
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 4627903

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.2	30.2
91	31.3	25.0	37.6

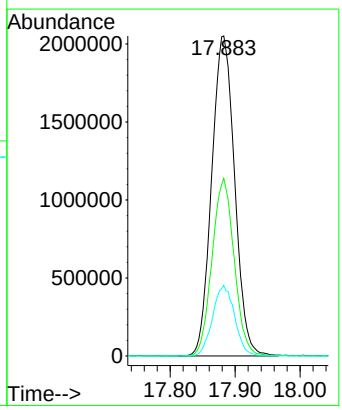


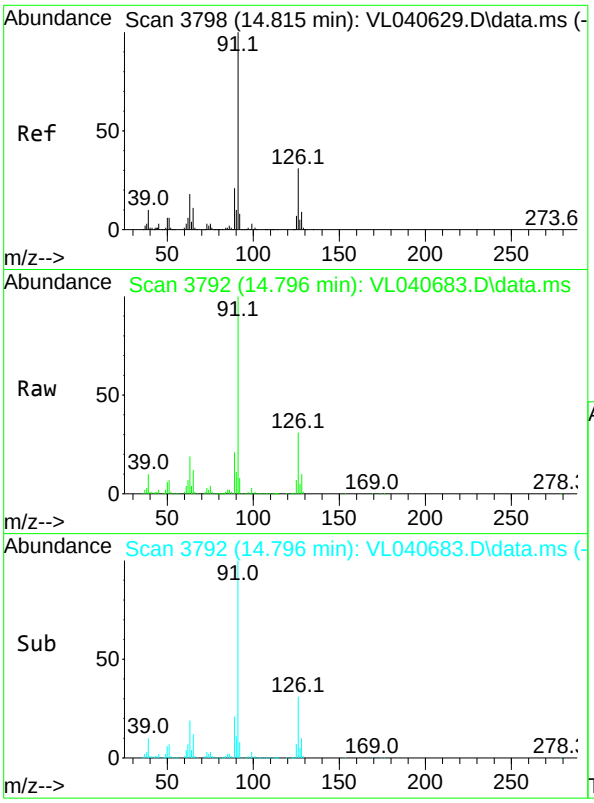


#70
n-Butylbenzene
Concen: 8.409 ppbv
RT: 17.883 min Scan# 4752
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion: 91 Resp: 5025551

Ion	Ratio	Lower	Upper
91	100		
92	53.5	42.7	64.1
134	21.2	17.0	25.4



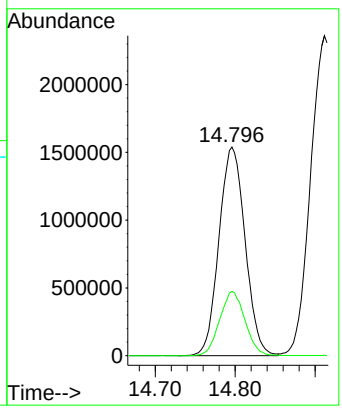


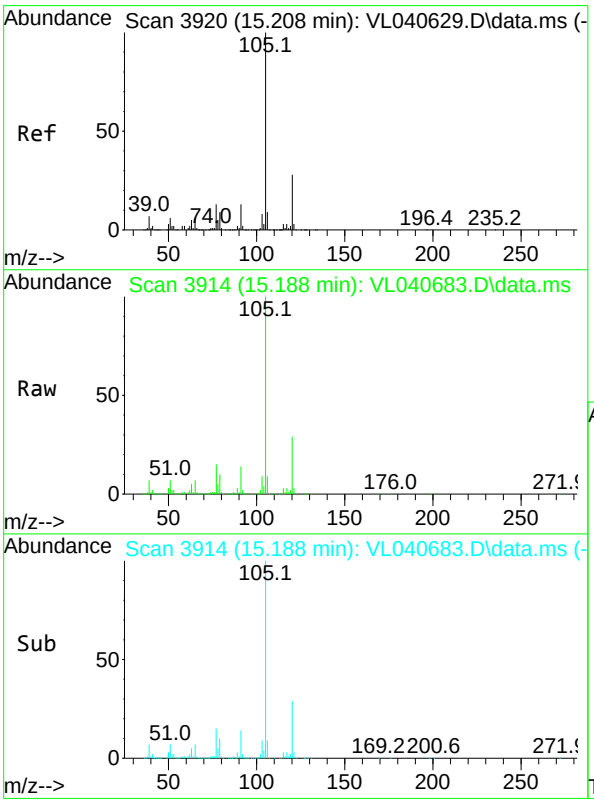
#71
2-Chlorotoluene
Concen: 8.782 ppbv
RT: 14.796 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3493873

Ion	Ratio	Lower	Upper
91	100		
126	29.9	12.0	47.8

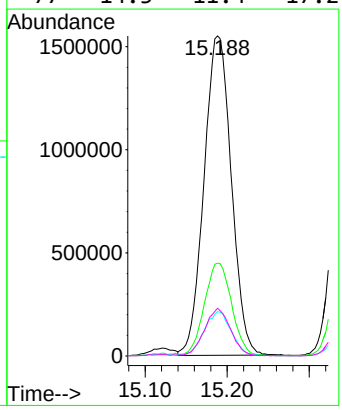


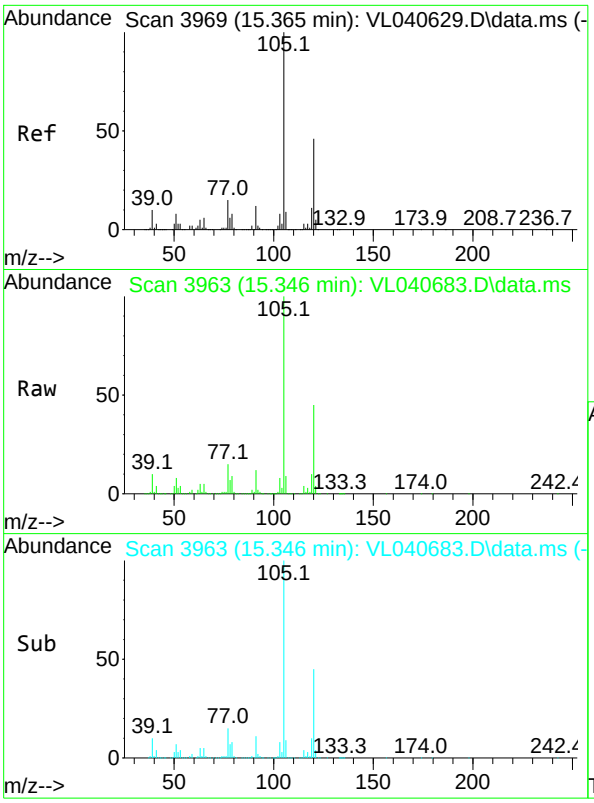


#72
4-Ethyltoluene
Concen: 8.988 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion:105 Resp: 3589579

Ion	Ratio	Lower	Upper
105	100		
120	29.9	23.9	35.9
91	14.0	11.0	16.4
77	14.3	11.4	17.2



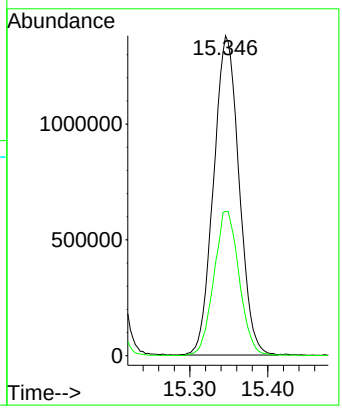


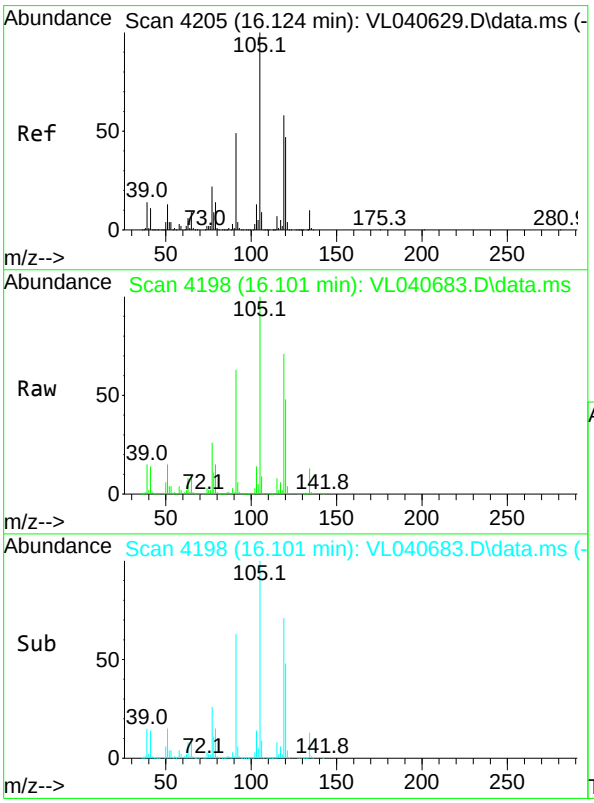
#73
1,3,5-Trimethylbenzene
Concen: 8.704 ppbv
RT: 15.346 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 3130023

Ion	Ratio	Lower	Upper
105	100		
120	45.1	36.1	54.1

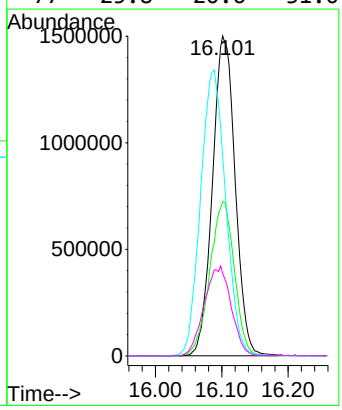


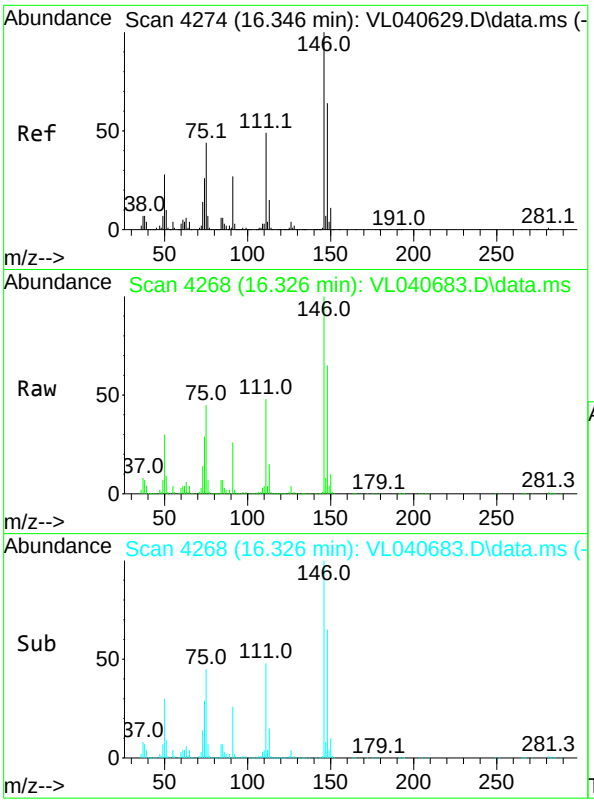


#74
1,2,4-Trimethylbenzene
Concen: 8.144 ppbv
RT: 16.101 min Scan# 4198
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion:105 Resp: 3570409

Ion	Ratio	Lower	Upper
105	100		
120	48.2	38.6	57.8
91	62.5	50.0	75.0
77	25.8	20.6	31.0



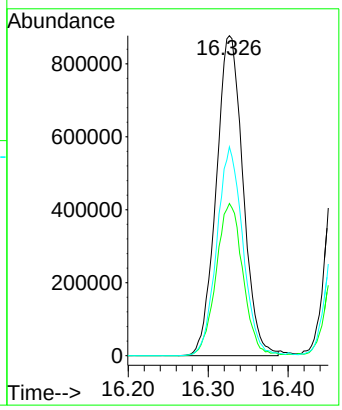


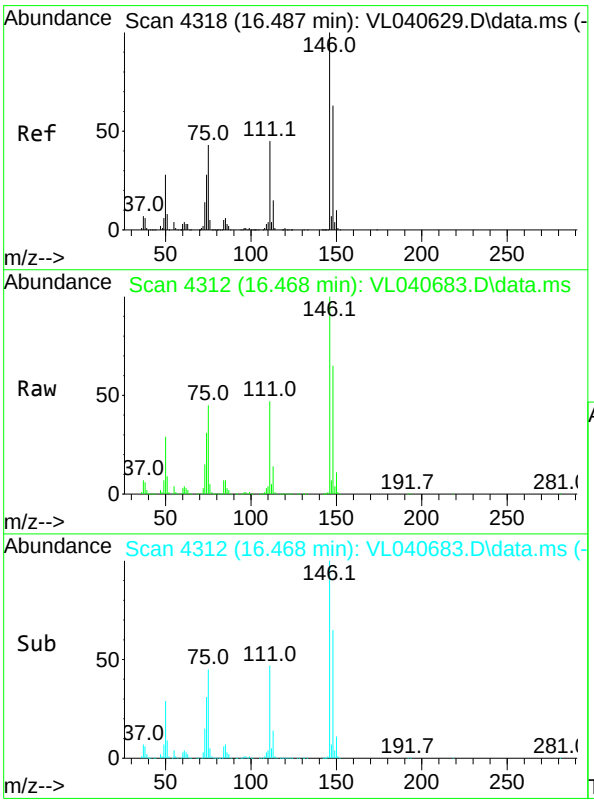
#75
1,3-Dichlorobenzene
Concen: 8.172 ppbv
RT: 16.326 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 2041281

Ion	Ratio	Lower	Upper
146	100		
111	47.8	23.9	71.7
148	63.6	31.8	95.4

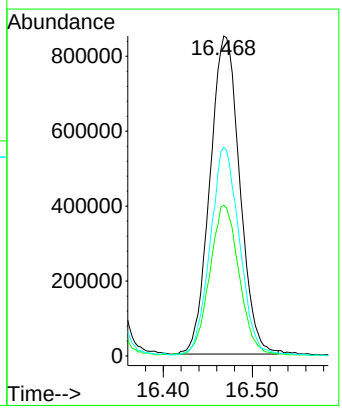


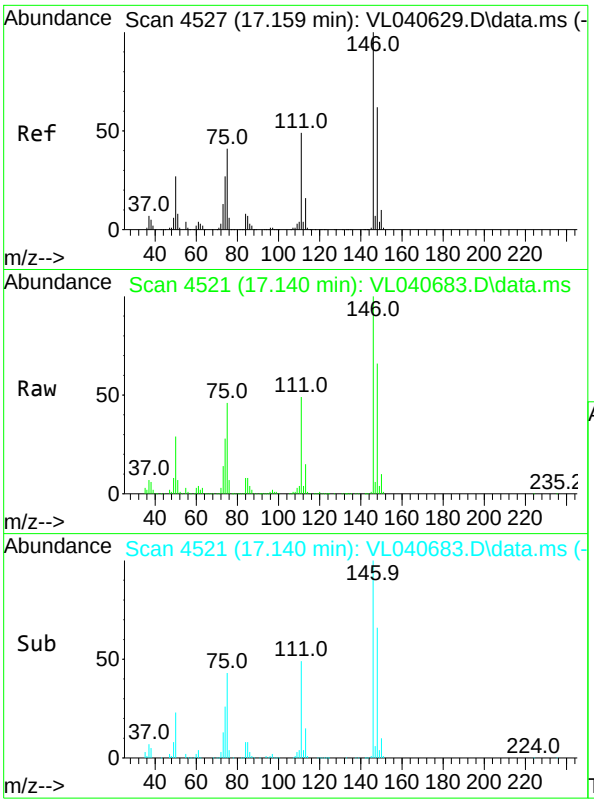


#76
1,4-Dichlorobenzene
Concen: 8.012 ppbv
RT: 16.468 min Scan# 4312
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion:146 Resp: 1969146

Ion	Ratio	Lower	Upper
146	100		
111	47.6	23.8	71.2
148	65.3	32.6	97.7



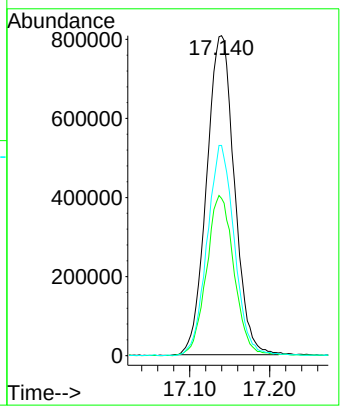


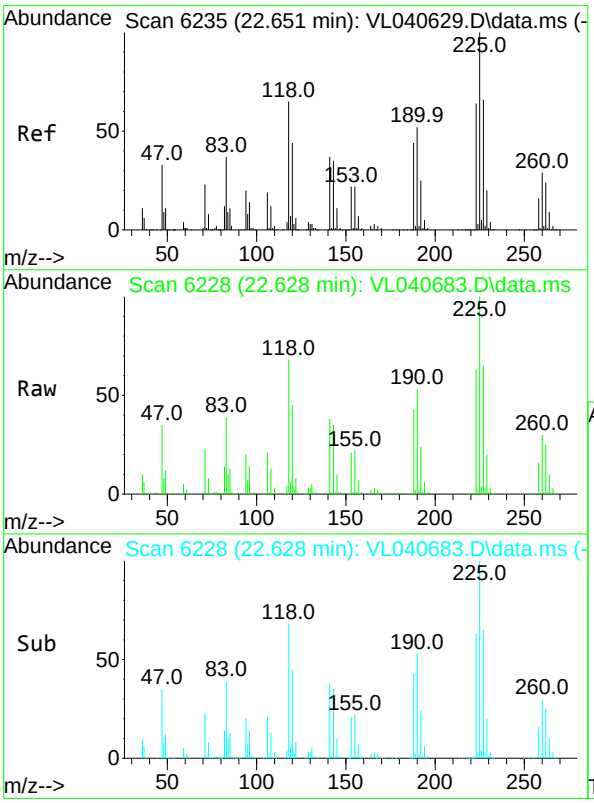
#77
1,2-Dichlorobenzene
Concen: 7.830 ppbv
RT: 17.140 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 1947945

Ion	Ratio	Lower	Upper
146	100		
111	50.0	25.0	75.0
148	64.7	32.4	97.0

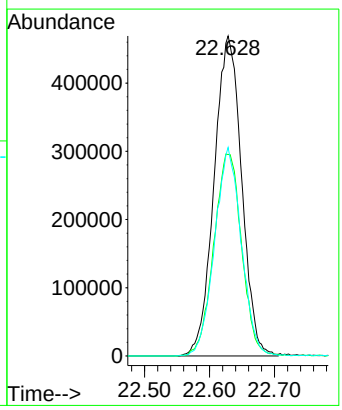


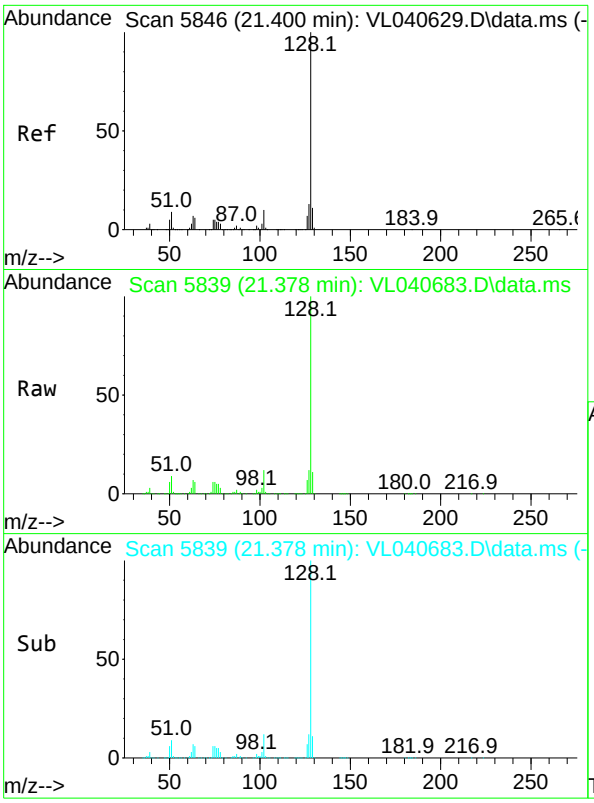


#78
Hexachloro-1,3-Butadiene
Concen: 7.332 ppbv
RT: 22.628 min Scan# 6228
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion:225 Resp: 1380087

Ion	Ratio	Lower	Upper
225	100		
223	63.9	51.2	76.8
227	63.3	50.7	76.1



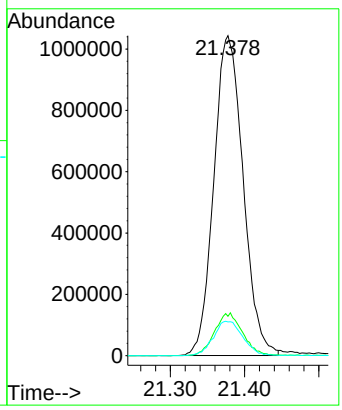


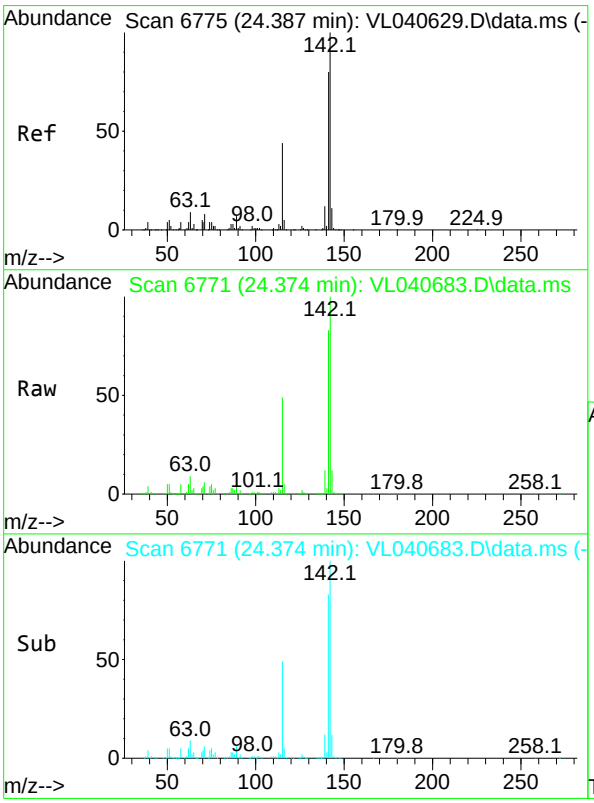
#79
Naphthalene
Concen: 10.493 ppbv
RT: 21.378 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 2862472

Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.8	14.6
129	10.5	8.4	12.6

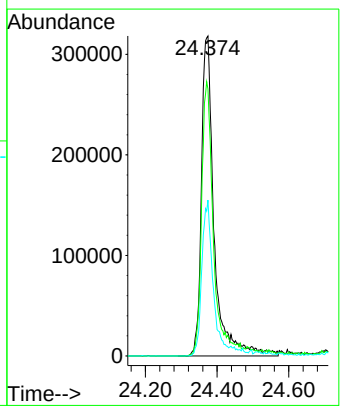


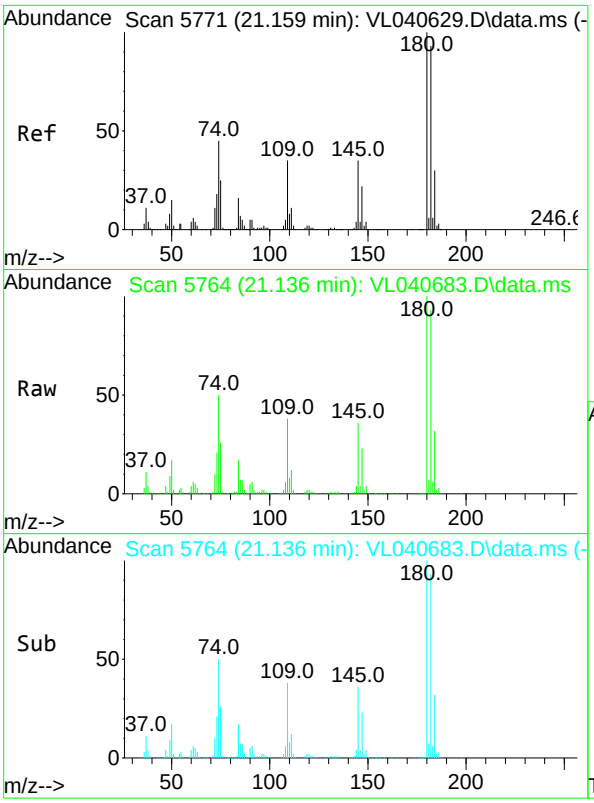


#80
Naphthalene,2-methyl-
Concen: 11.801 ppbv
RT: 24.374 min Scan# 6771
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Tgt Ion:142 Resp: 788487

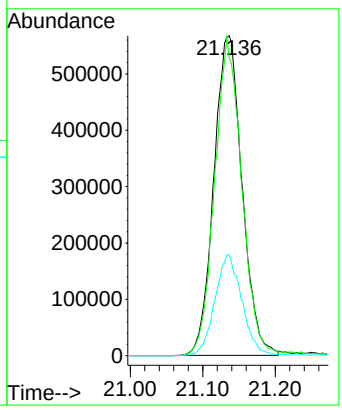
Ion	Ratio	Lower	Upper
142	100		
141	83.8	67.0	100.6
115	46.8	37.4	56.2





#81
1,2,4-Trichlorobenzene
Concen: 8.594 ppbv
RT: 21.136 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL040683.D
Acq: 14 Sep 2023 13:46

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 1531360

Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.9	116.9
184	30.8	24.4	36.6