Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
Data File : VL041424.D
Acq On : 29 Jul 2024 11:32
Operator : SY/MD
Sample : P3356-02DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jul 30 02:47:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Jul 30 02:42:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.182	49	1151179	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	3026280	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2815773	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2157657	9.957	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.716	85	18664	0.094	ppbv	97
3) Chlorodifluoromethane	2.639	51	84905	0.620	ppbv #	64
4) Chloromethane	2.803	50	6524	0.090	ppbv #	79
9) Propene	2.690	41	11103	0.176	ppbv #	80
13) Ethanol	3.230	45	116843	20.766	ppbv	89
15) Acetone	3.459	43	334703	2.559	ppbv	99
19) Isopropyl Alcohol	3.574	45	30821	0.403	ppbv #	93
20) Methylene Chloride	3.922	84	2538402	52.043	ppbv	97
21) Allyl Chloride	3.918	41	101068	1.178	ppbv #	23
23) Vinyl Acetate	4.616	43	3182	0.032	ppbv #	45
25) Ethyl Acetate	5.205	43	1363900	5.249	ppbv #	76
26) Hexane	5.205	57	1942337	18.019	ppbv #	37
34) 2-Butanone	5.205	43	1354461	9.252	ppbv #	54
39) 1,2-Dichloropropane	6.645	63	746155	8.814	ppbv #	25
41) Tetrahydrofuran	5.205	42	740417	8.843	ppbv #	49

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

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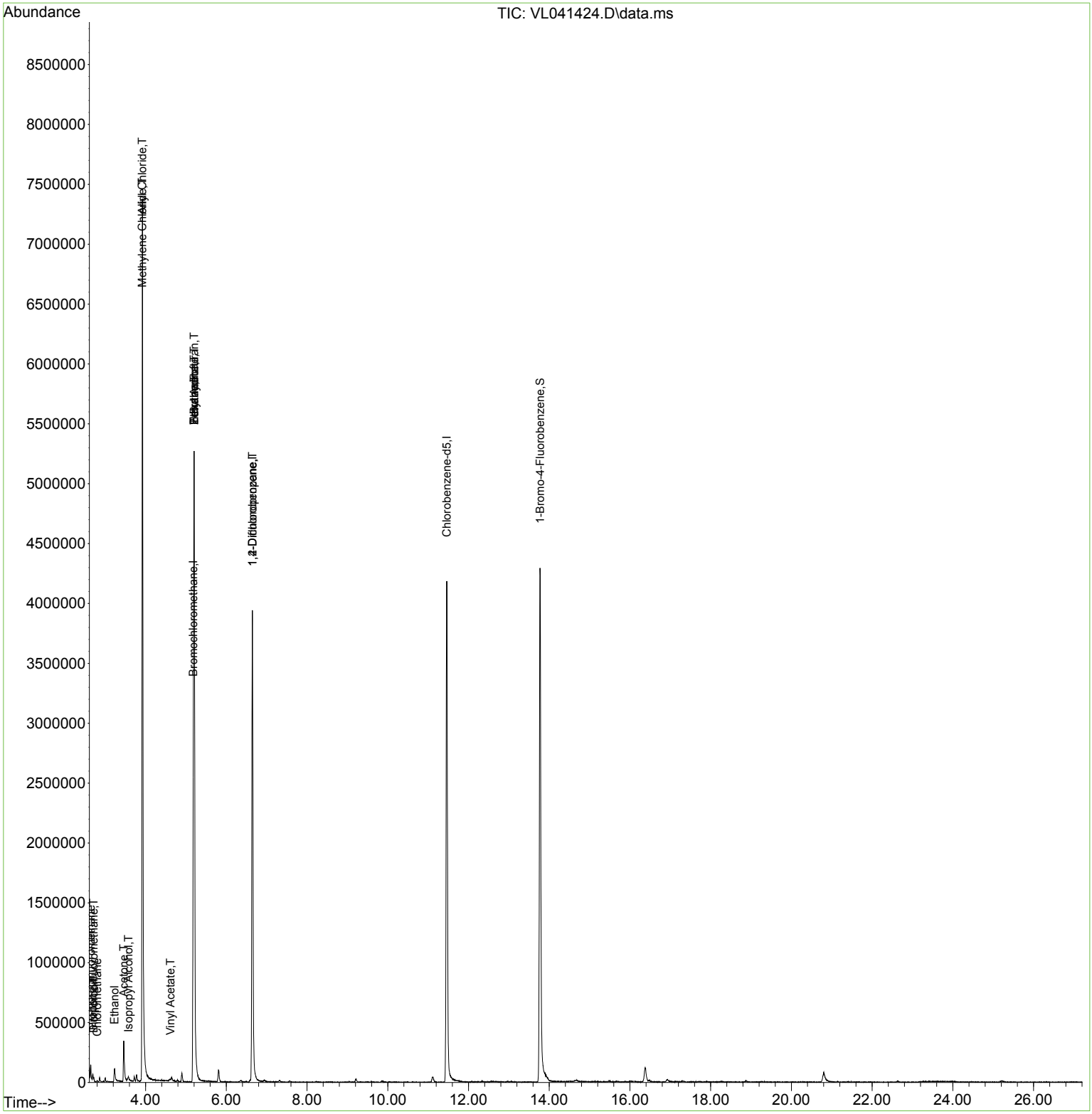
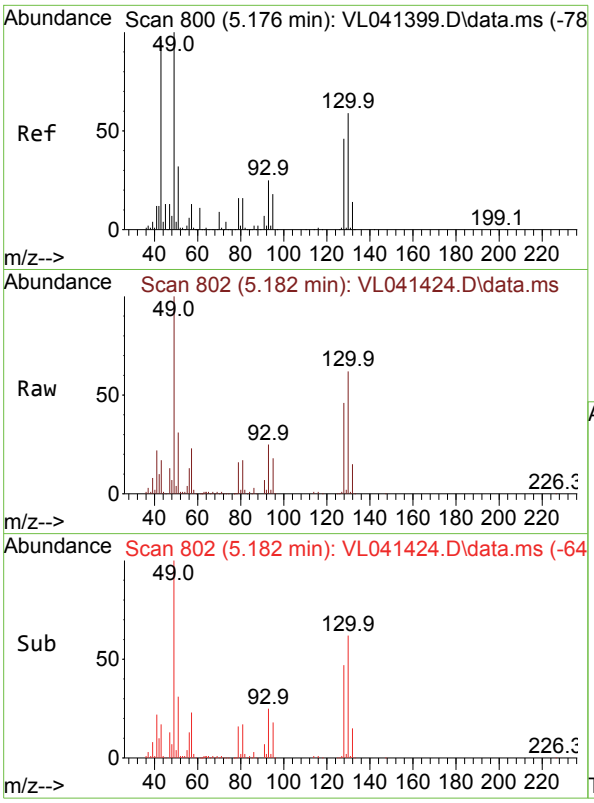


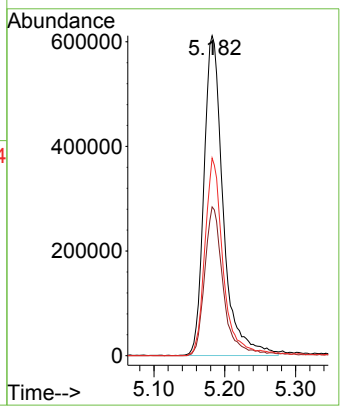


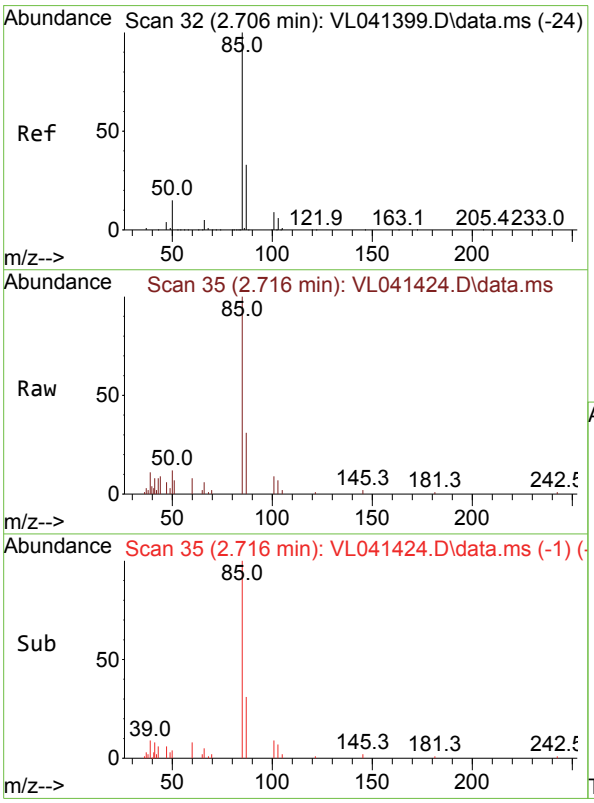
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1151179

Ion	Ratio	Lower	Upper
49	100		
128	46.6	23.8	71.4
130	59.9	30.8	92.4

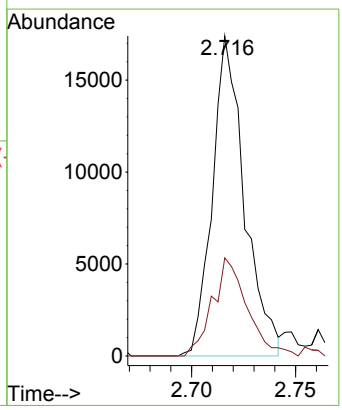


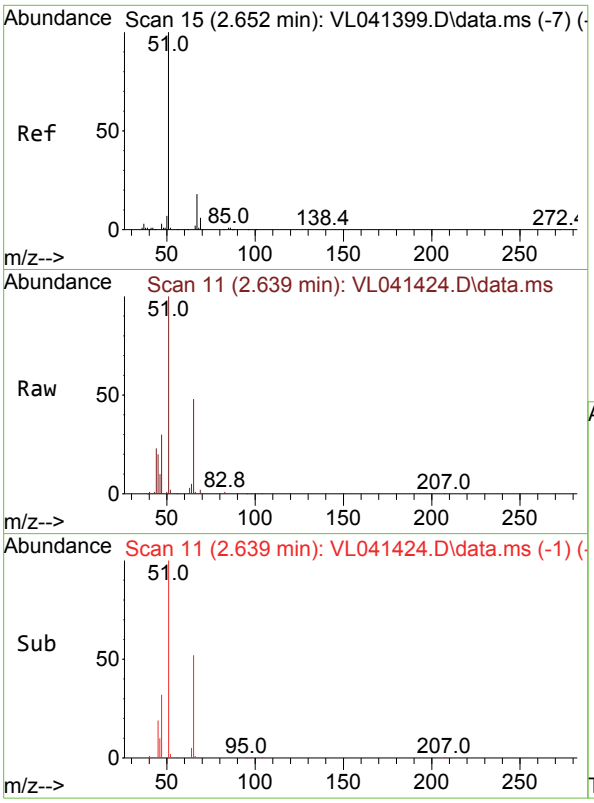


#2
Dichlorodifluoromethane
Concen: 0.094 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.006 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

Tgt Ion: 85 Resp: 18664

Ion	Ratio	Lower	Upper
85	100		
87	30.7	26.0	39.0



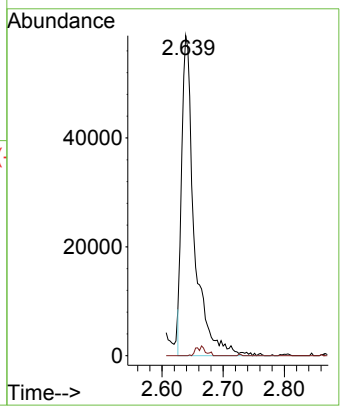


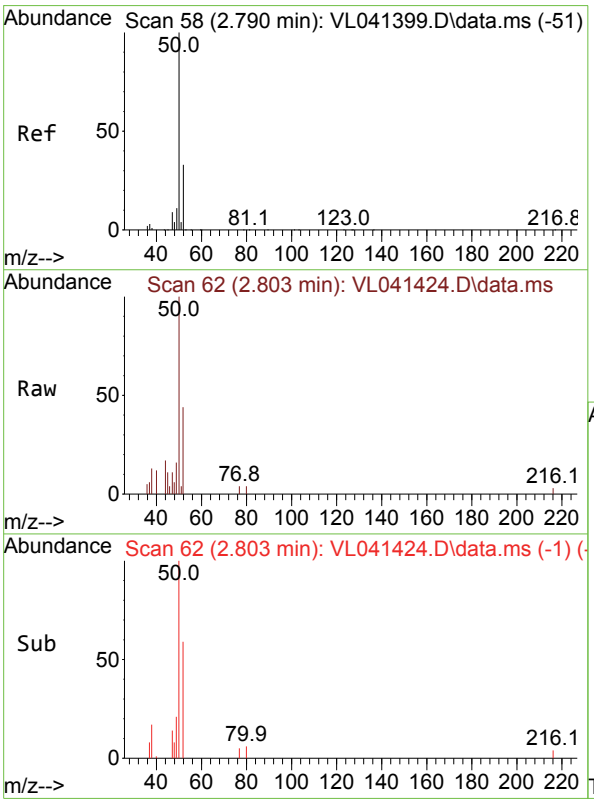
#3
Chlorodifluoromethane
Concen: 0.620 ppbv
RT: 2.639 min Scan# 1
Delta R.T. -0.016 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 84905

Ion	Ratio	Lower	Upper
51	100		
67	2.2	14.5	21.7#

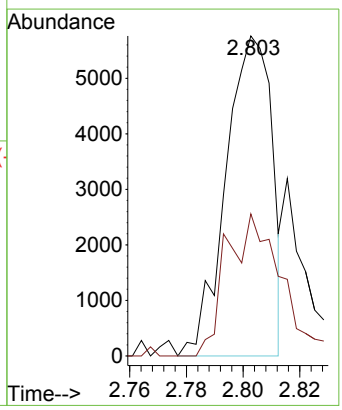


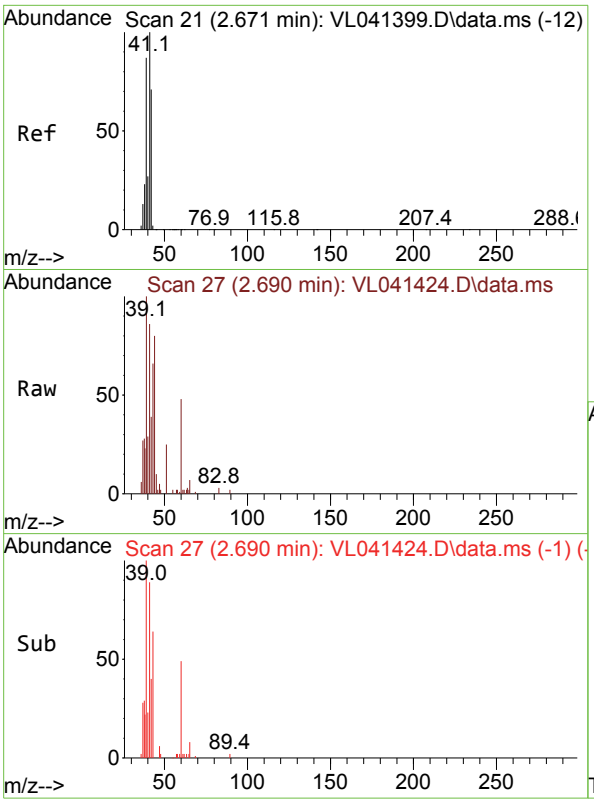


#4
Chloromethane
Concen: 0.090 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.010 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

Tgt Ion: 50 Resp: 6524

Ion	Ratio	Lower	Upper
50	100		
52	44.4	26.1	39.1#



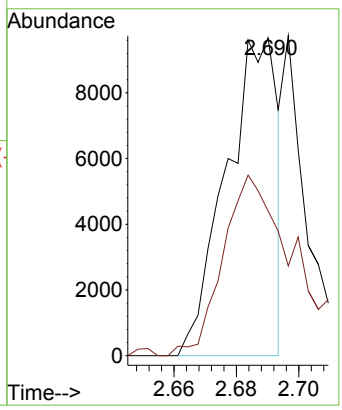


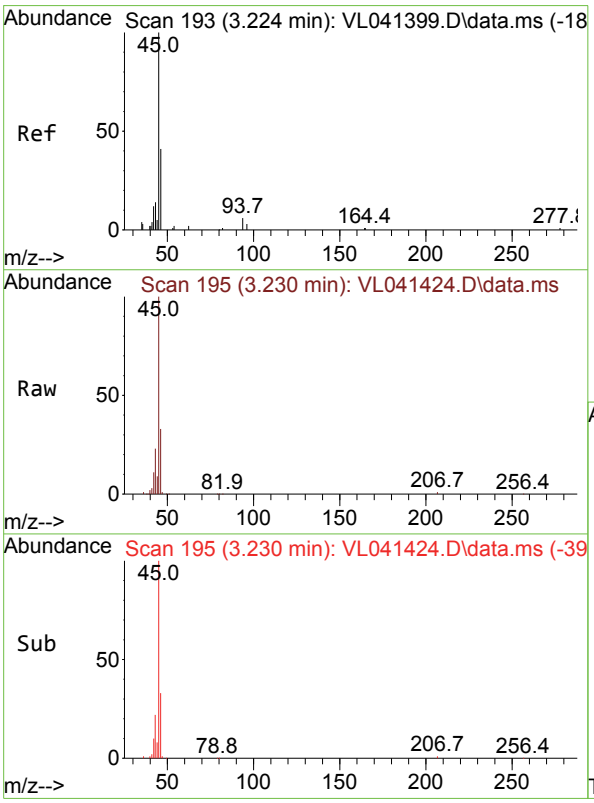
#9
Propene
Concen: 0.176 ppbv
RT: 2.690 min Scan# 2
Delta R.T. 0.019 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 11103

Ion	Ratio	Lower	Upper
41	100		
42	86.2	55.9	83.9#

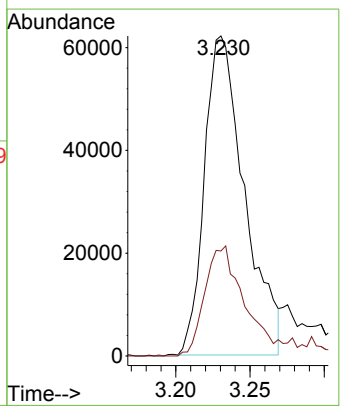


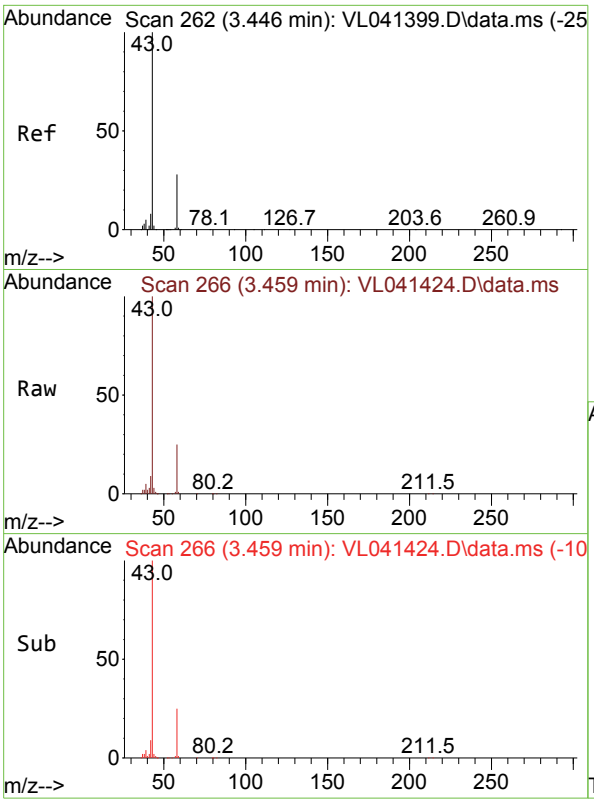


#13
Ethanol
Concen: 20.766 ppbv
RT: 3.230 min Scan# 195
Delta R.T. 0.003 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

Tgt Ion: 45 Resp: 116843

Ion	Ratio	Lower	Upper
45	100		
46	39.6	13.4	53.4



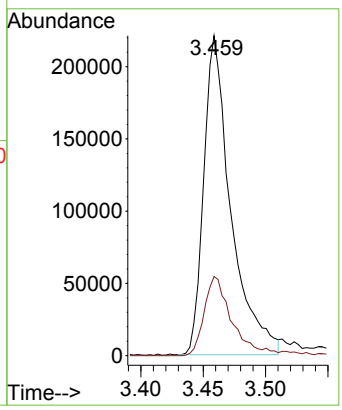


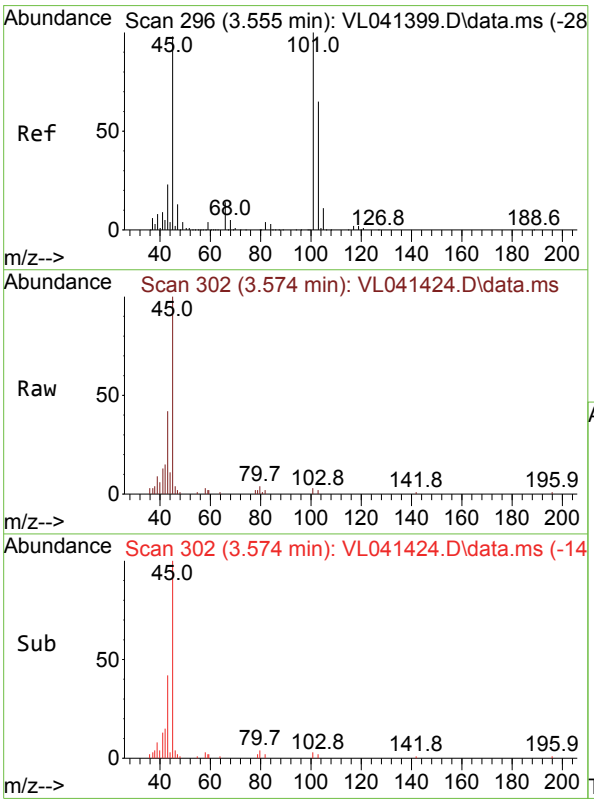
#15
Acetone
Concen: 2.559 ppbv
RT: 3.459 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 334703

Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.4	32.2

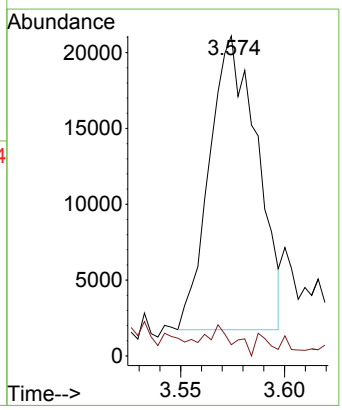


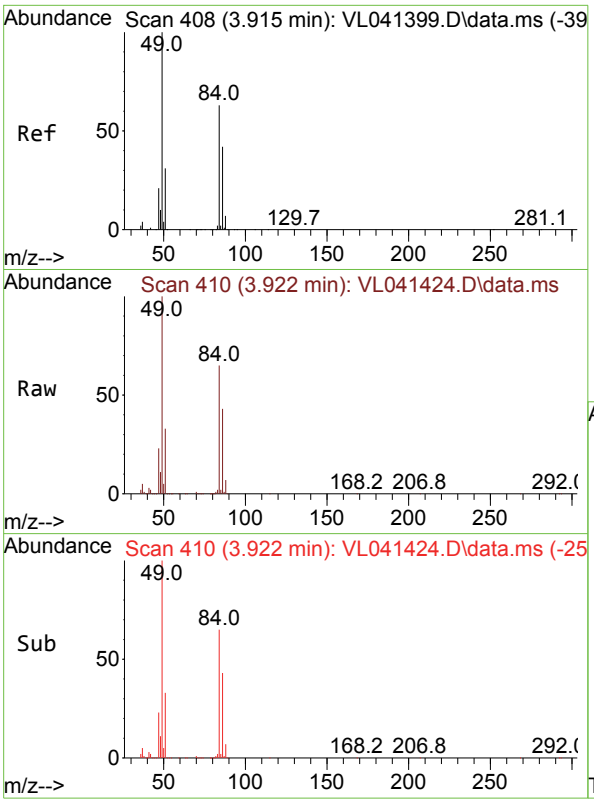


#19
Isopropyl Alcohol
Concen: 0.403 ppbv
RT: 3.574 min Scan# 302
Delta R.T. 0.013 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

Tgt Ion: 45 Resp: 30821

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.9	2.9#



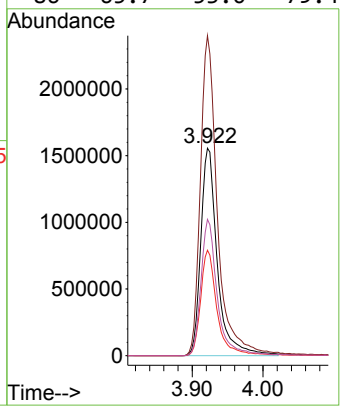


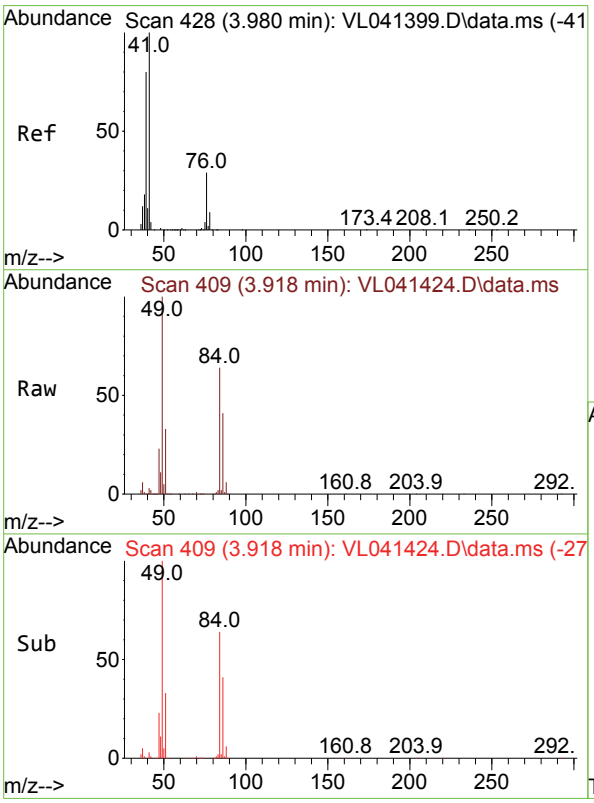
#20
Methylene Chloride
Concen: 52.043 ppbv
RT: 3.922 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 2538402

Ion	Ratio	Lower	Upper
84	100		
49	154.2	126.6	190.0
51	50.8	38.6	58.0
86	65.7	53.0	79.4

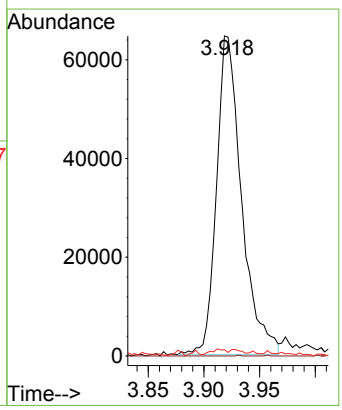


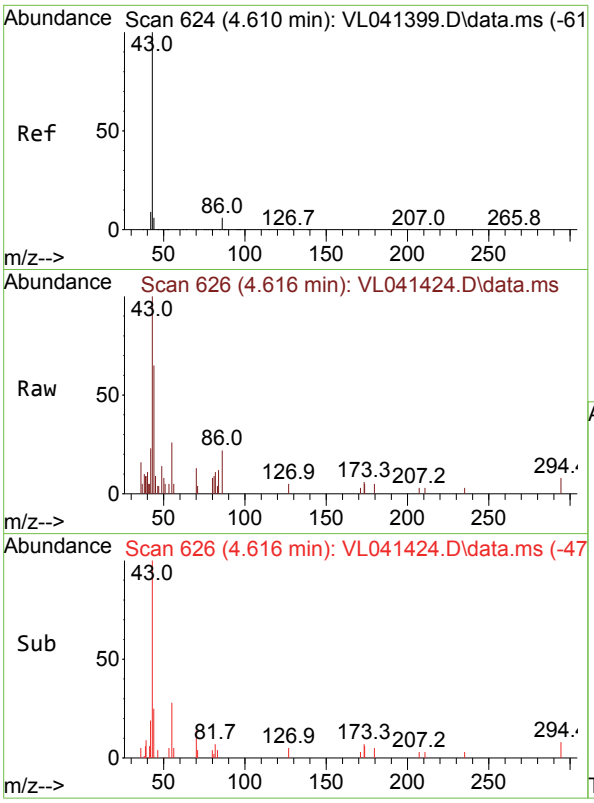


#21
Allyl Chloride
Concen: 1.178 ppbv
RT: 3.918 min Scan# 409
Delta R.T. -0.061 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

Tgt Ion: 41 Resp: 101068

Ion	Ratio	Lower	Upper
41	100		
76	0.1	23.7	35.5#
39	4.5	64.3	96.5#



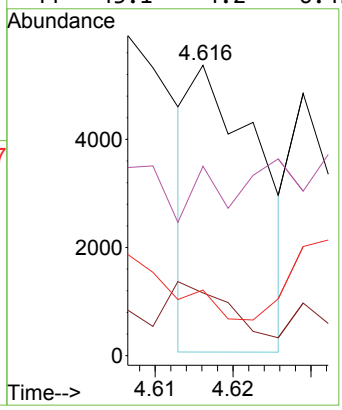


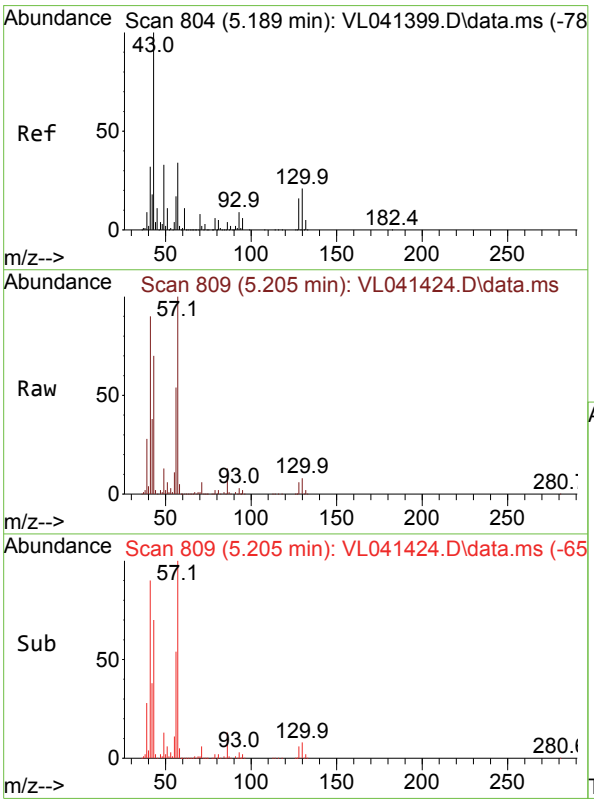
#23
Vinyl Acetate
Concen: 0.032 ppbv
RT: 4.616 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 3182

Ion	Ratio	Lower	Upper
43	100		
86	34.3	4.6	6.8#
42	7.3	7.9	11.9#
44	43.1	4.2	6.4#

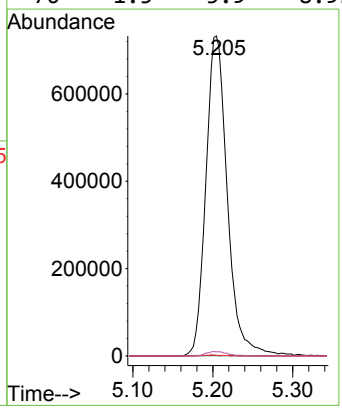


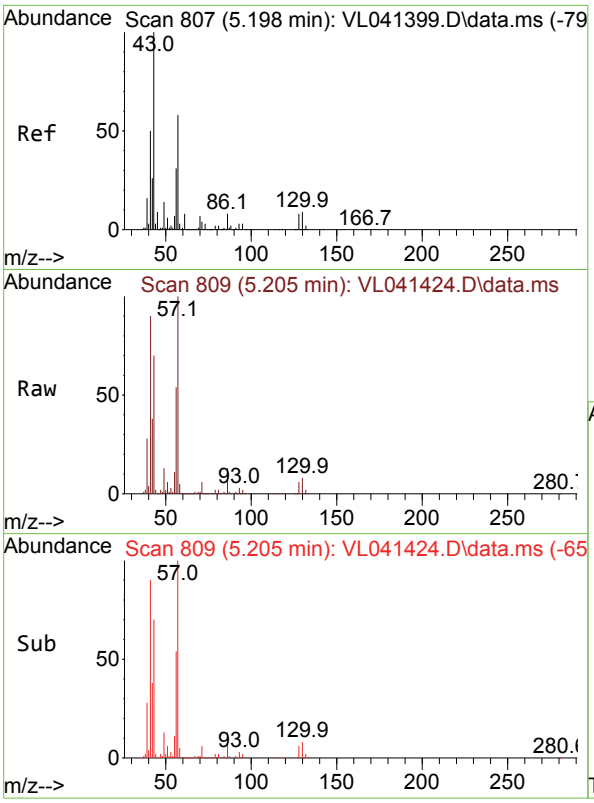


#25
Ethyl Acetate
Concen: 5.249 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.013 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

Tgt Ion: 43 Resp: 1363900

Ion	Ratio	Lower	Upper
43	100		
45	0.3	8.5	12.7#
61	0.3	8.0	12.0#
70	1.5	5.9	8.9#



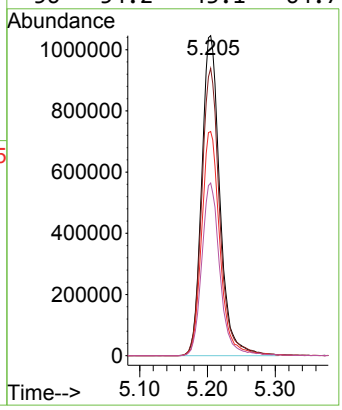


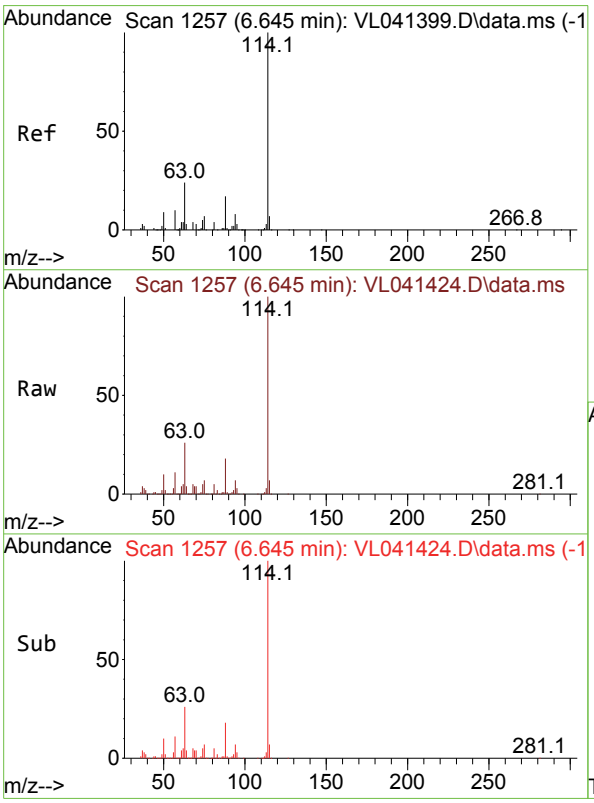
#26
Hexane
Concen: 18.019 ppbv
RT: 5.205 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 1942337

Ion	Ratio	Lower	Upper
57	100		
41	90.0	74.0	111.0
43	70.8	193.6	290.4#
56	54.2	43.1	64.7

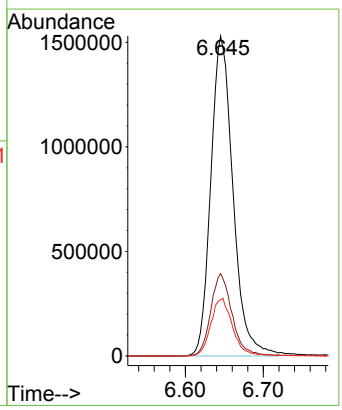


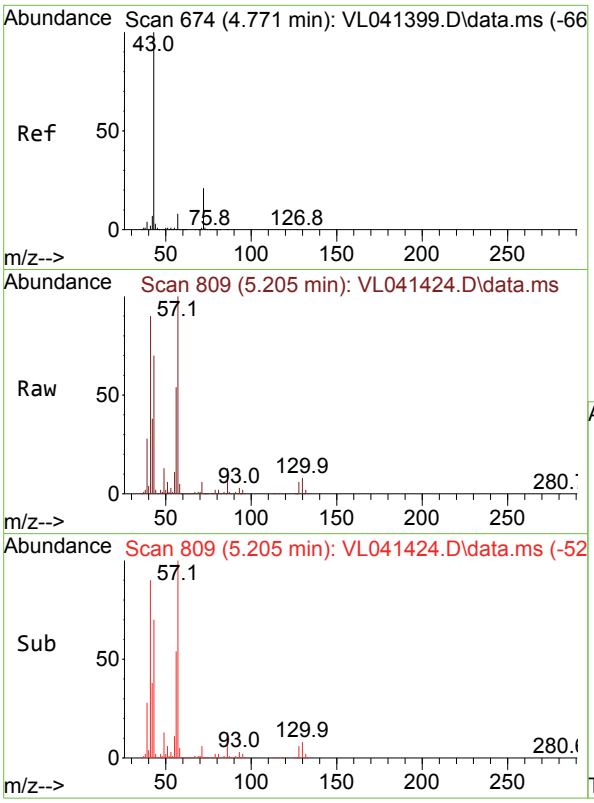


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

Tgt Ion:114 Resp: 3026280

Ion	Ratio	Lower	Upper
114	100		
63	25.0	20.3	30.5
88	17.8	14.3	21.5



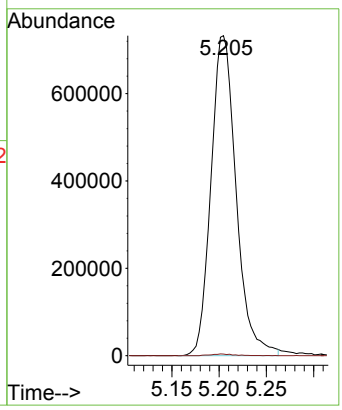


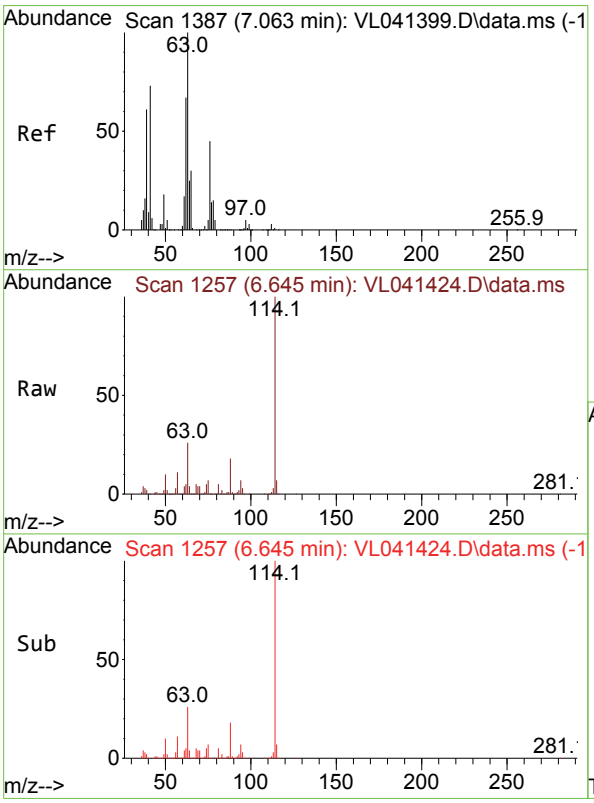
#34
2-Butanone
Concen: 9.252 ppbv
RT: 5.205 min Scan# 8
Delta R.T. 0.431 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1354461

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.3	25.9#

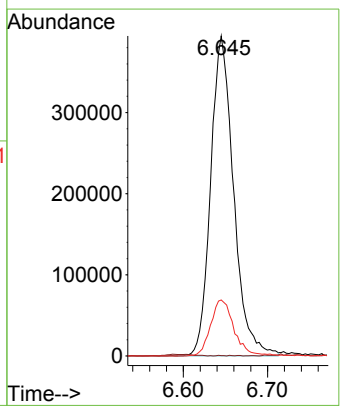


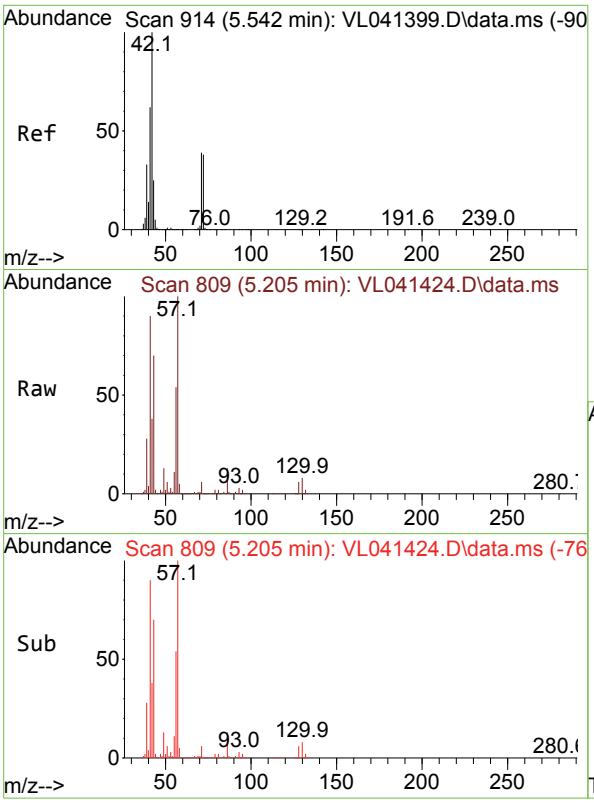


#39
1,2-Dichloropropane
Concen: 8.814 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. -0.418 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

Tgt Ion: 63 Resp: 746155

Ion	Ratio	Lower	Upper
63	100		
41	0.0	58.3	87.5#
62	17.5	53.9	80.9#



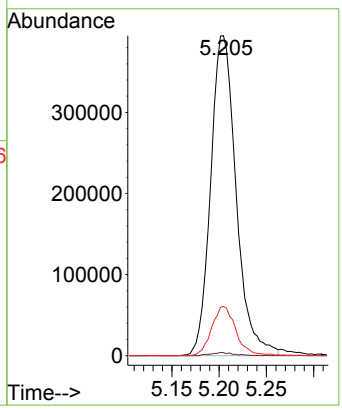


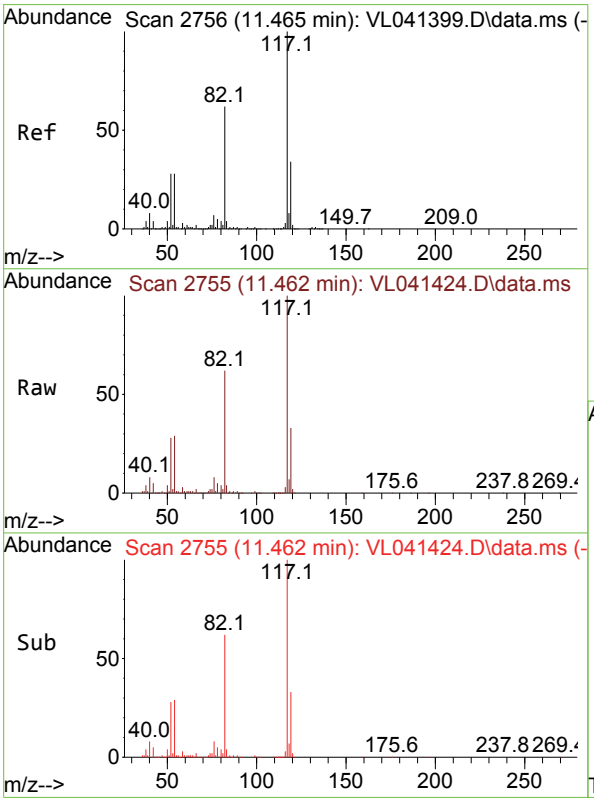
#41
Tetrahydrofuran
Concen: 8.843 ppbv
RT: 5.205 min Scan# 8
Delta R.T. -0.341 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 740417

Ion	Ratio	Lower	Upper
42	100		
72	0.9	31.2	46.8#
71	14.8	30.5	45.7#

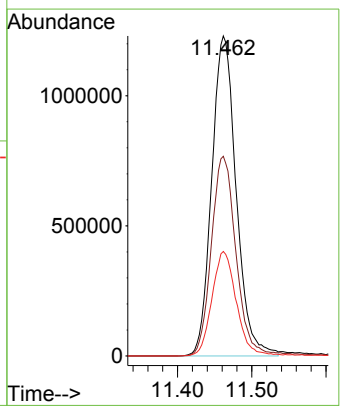


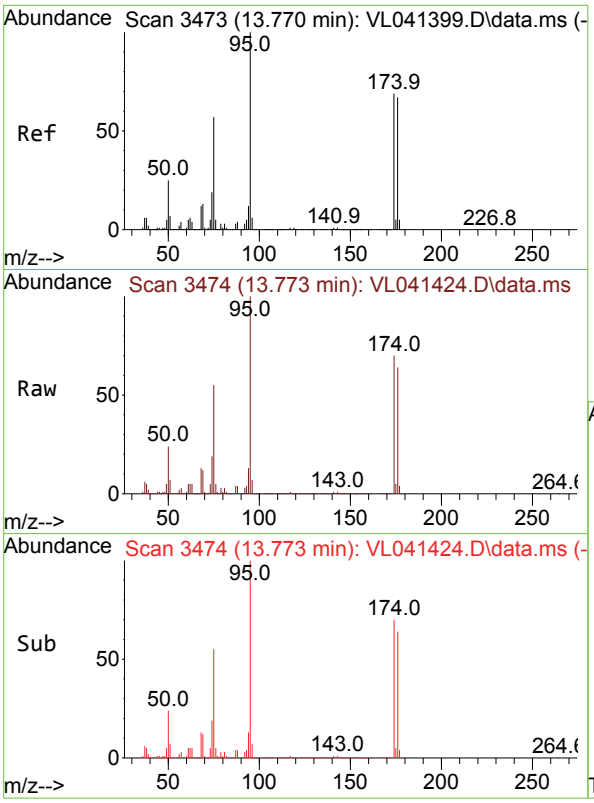


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 2755
Delta R.T. -0.003 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

Tgt Ion:117 Resp: 2815773

Ion	Ratio	Lower	Upper
117	100		
82	64.2	51.0	76.6
119	33.0	45.2	67.8#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.957 ppbv
RT: 13.773 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2157657

Ion	Ratio	Lower	Upper
95	100		
174	71.5	56.3	84.5
175	5.0	4.0	6.0