Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061124\
Data File : VL041341.D
Acq On : 11 Jun 2024 10:57
Operator : SY/MD
Sample : VL0611ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jun 12 01:21:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Jun 12 01:18:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.211	49	1107600	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2966395	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2712992	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	2065825	9.862	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.600%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	2.706	51	6792	0.039	ppbv	92
4) Chloromethane	2.845	50	2533	0.038	ppbv #	87
5) Vinyl Chloride	2.951	62	2479	0.037	ppbv #	61
6) Bromomethane	3.150	94	1382	0.059	ppbv #	51
9) Propene	2.729	41	6122	0.098	ppbv	87
15) Acetone	3.520	43	21096	0.167	ppbv #	64
20) Methylene Chloride	3.960	84	7533	0.164	ppbv #	82
28) Methyl tert-Butyl Ether	4.626	73	2820	0.034	ppbv #	63
39) 1,2-Dichloropropane	6.664	63	727862	7.950	ppbv #	24

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

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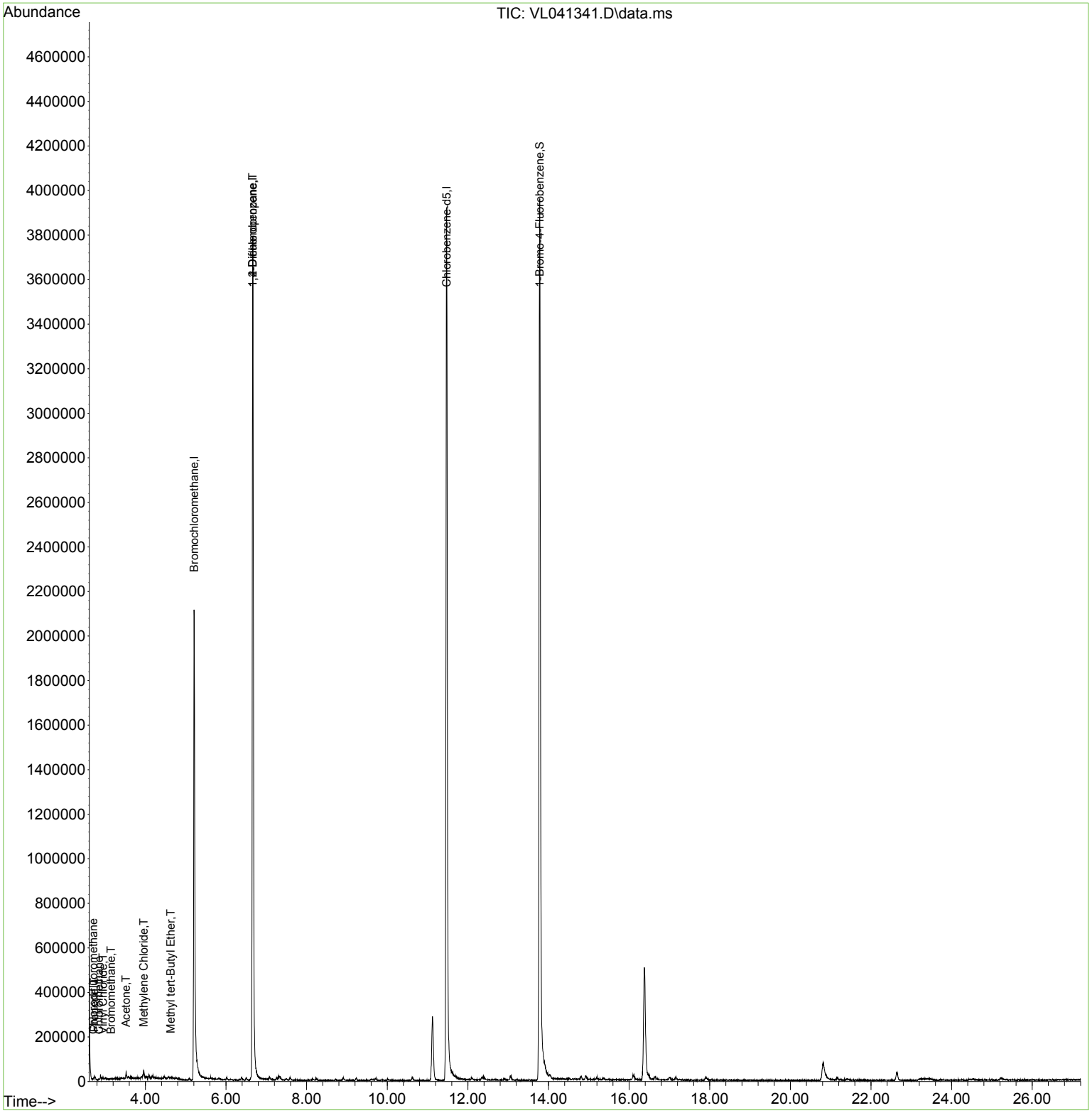
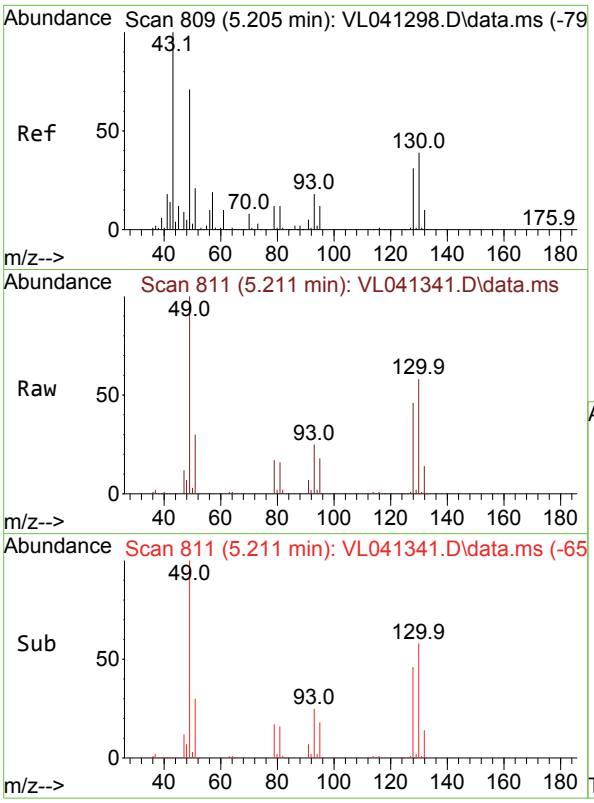


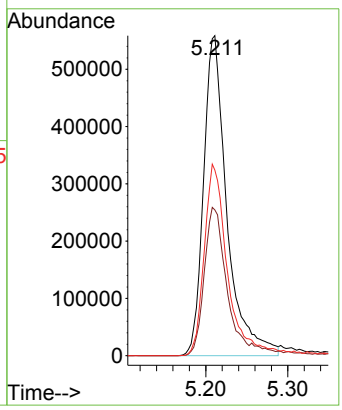


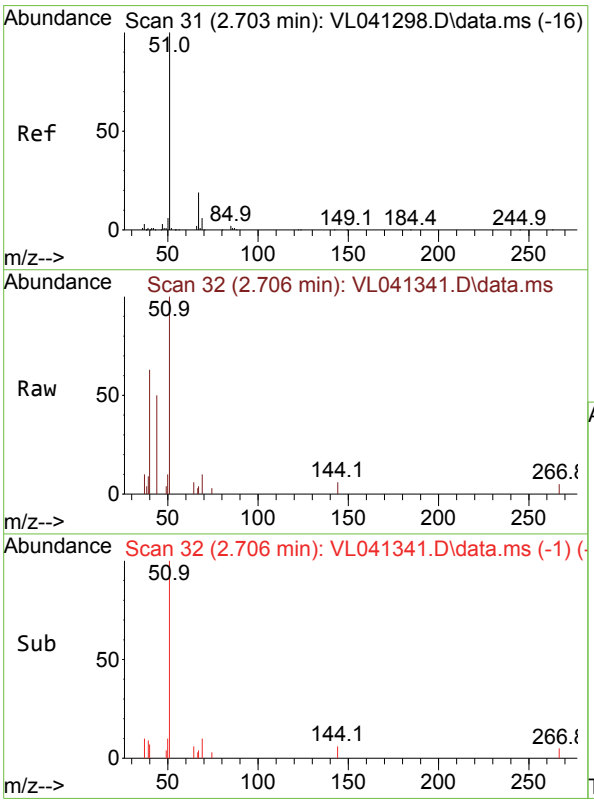
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL041341.D
Acq: 11 Jun 2024 10:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1107600

Ion	Ratio	Lower	Upper
49	100		
128	47.6	22.8	68.3
130	62.6	28.4	85.3

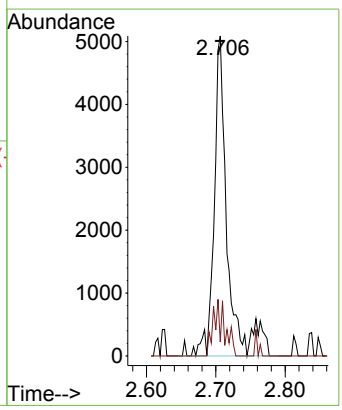


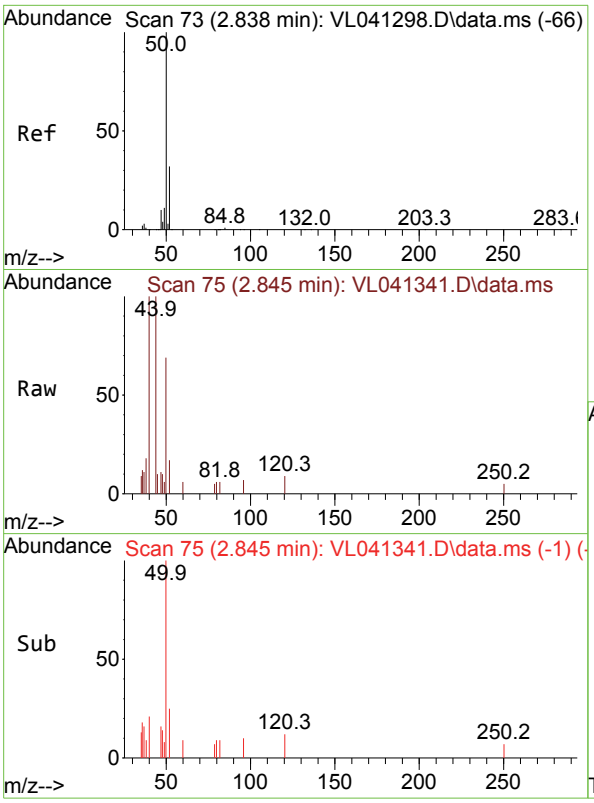


#3
Chlorodifluoromethane
Concen: 0.039 ppbv
RT: 2.706 min Scan# 32
Delta R.T. 0.000 min
Lab File: VL041341.D
Acq: 11 Jun 2024 10:57

Tgt Ion: 51 Resp: 6792

Ion	Ratio	Lower	Upper
51	100		
67	14.8	14.7	22.1



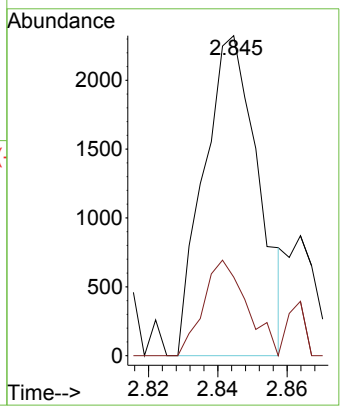


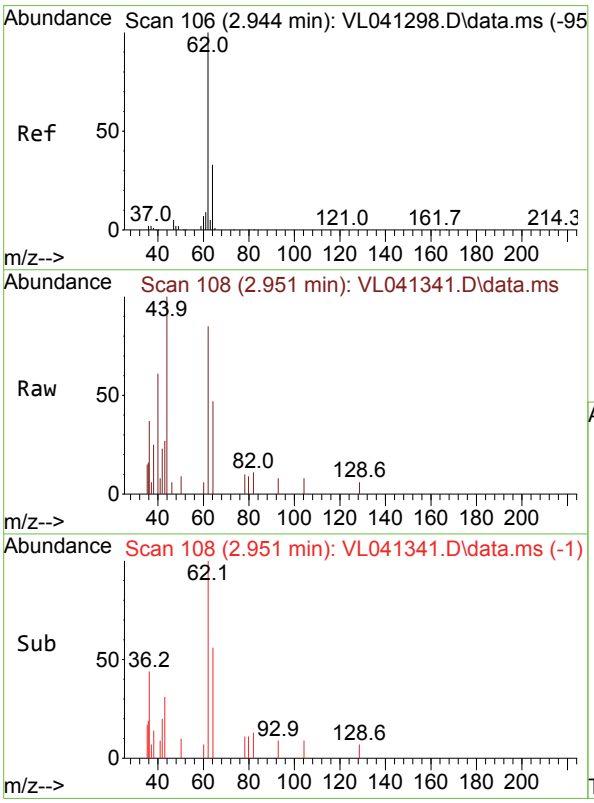
#4
Chloromethane
Concen: 0.038 ppbv
RT: 2.845 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL041341.D
Acq: 11 Jun 2024 10:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 50 Resp: 2533

Ion	Ratio	Lower	Upper
50	100		
52	24.5	25.6	38.4#

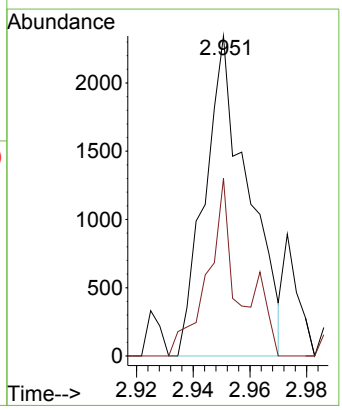


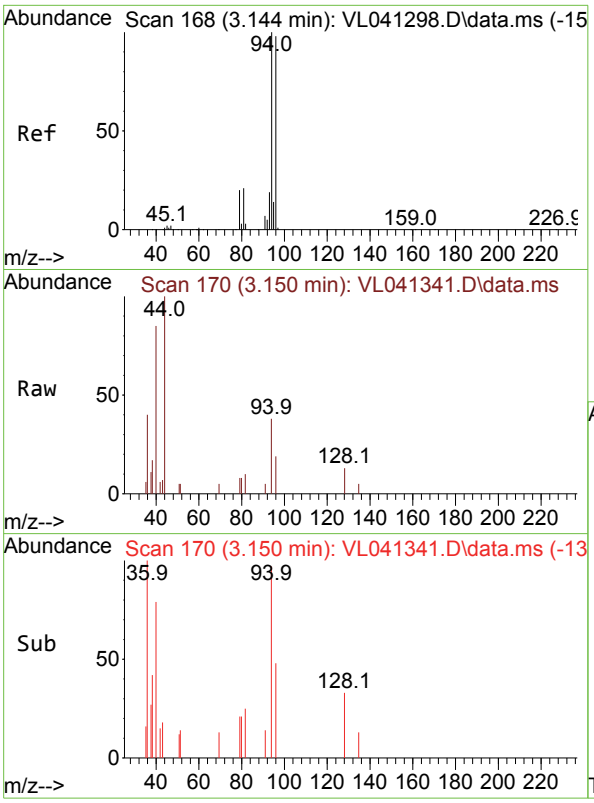


#5
Vinyl Chloride
Concen: 0.037 ppbv
RT: 2.951 min Scan# 108
Delta R.T. 0.000 min
Lab File: VL041341.D
Acq: 11 Jun 2024 10:57

Tgt Ion: 62 Resp: 2479

Ion	Ratio	Lower	Upper
62	100		
64	55.5	26.6	40.0#



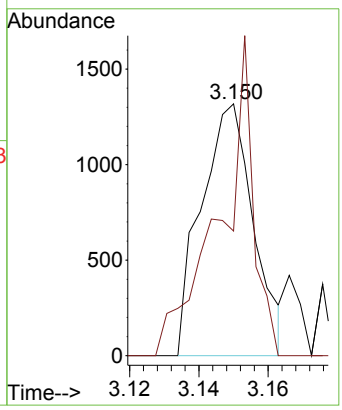


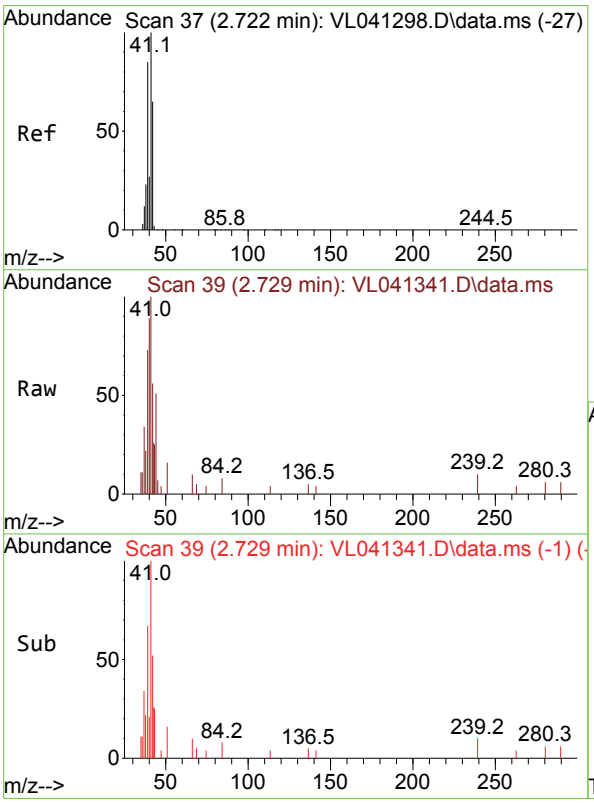
#6
Bromomethane
Concen: 0.059 ppbv
RT: 3.150 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL041341.D
Acq: 11 Jun 2024 10:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 94 Resp: 1382

Ion	Ratio	Lower	Upper
94	100		
96	49.5	78.6	117.8#

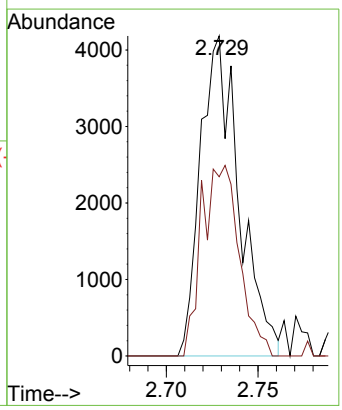


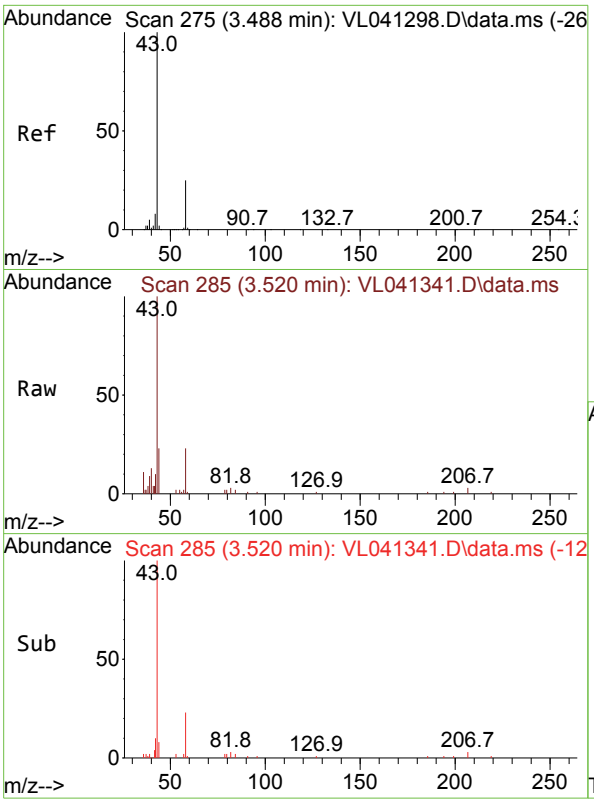


#9
Propene
Concen: 0.098 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.003 min
Lab File: VL041341.D
Acq: 11 Jun 2024 10:57

Tgt Ion: 41 Resp: 6122

Ion	Ratio	Lower	Upper
41	100		
42	58.2	55.2	82.8



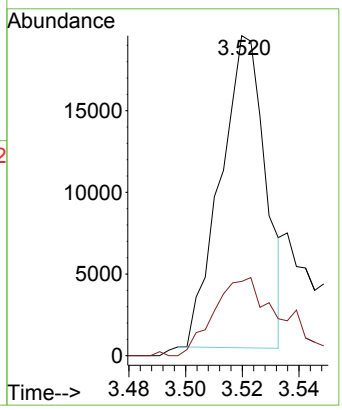


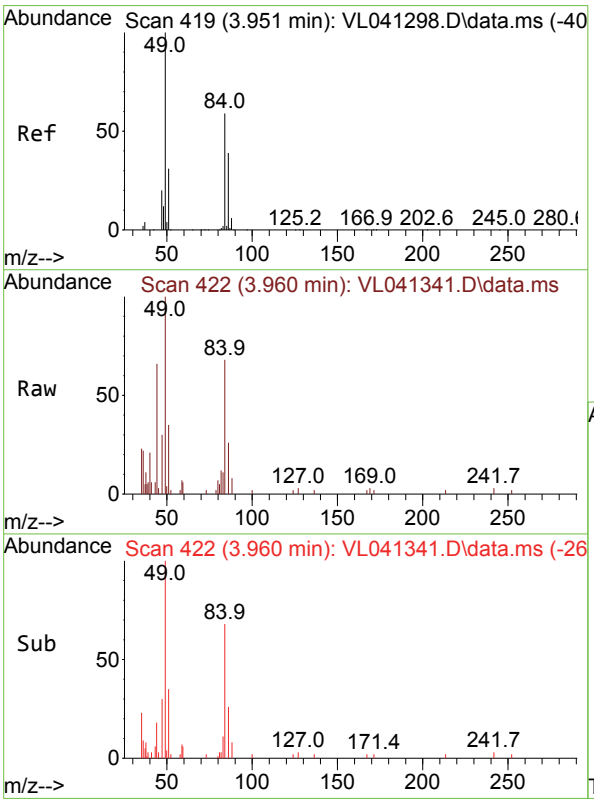
#15
Acetone
Concen: 0.167 ppbv
RT: 3.520 min Scan# 2
Delta R.T. 0.026 min
Lab File: VL041341.D
Acq: 11 Jun 2024 10:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 21096

Ion	Ratio	Lower	Upper
43	100		
58	44.2	20.6	31.0#

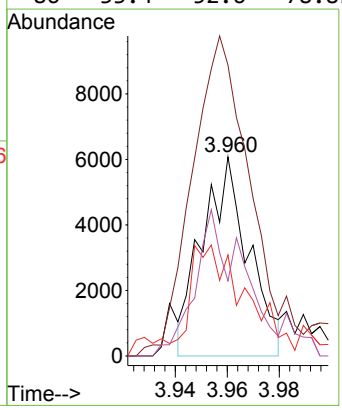


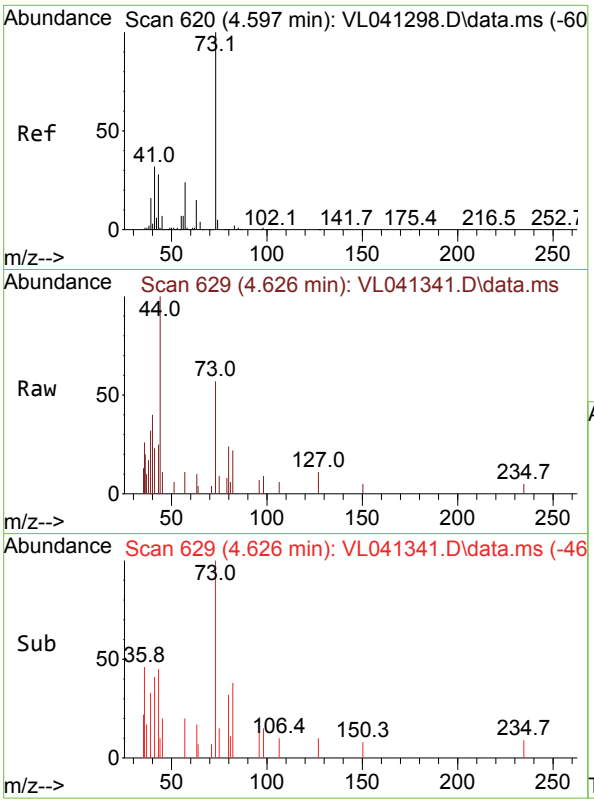


#20
Methylene Chloride
Concen: 0.164 ppbv
RT: 3.960 min Scan# 422
Delta R.T. 0.007 min
Lab File: VL041341.D
Acq: 11 Jun 2024 10:57

Tgt Ion: 84 Resp: 7533

Ion	Ratio	Lower	Upper
84	100		
49	151.8	136.2	204.2
51	51.2	41.9	62.9
86	33.4	52.6	78.8#



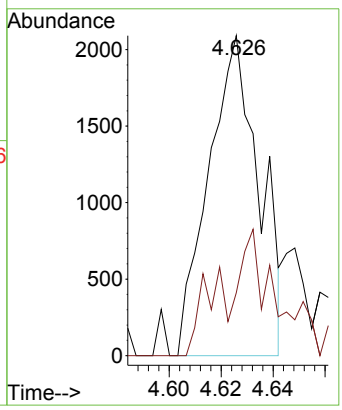


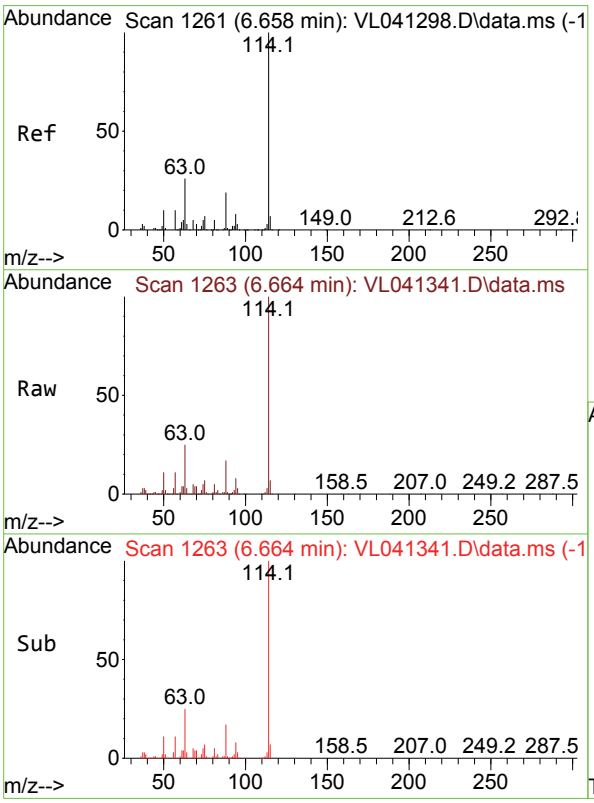
#28
Methyl tert-Butyl Ether
Concen: 0.034 ppbv
RT: 4.626 min Scan# 6
Delta R.T. 0.023 min
Lab File: VL041341.D
Acq: 11 Jun 2024 10:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 73 Resp: 2820

Ion	Ratio	Lower	Upper
73	100		
57	42.3	19.2	28.8#

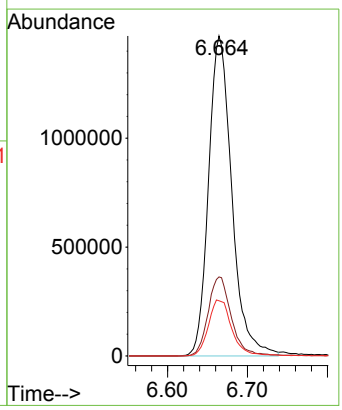


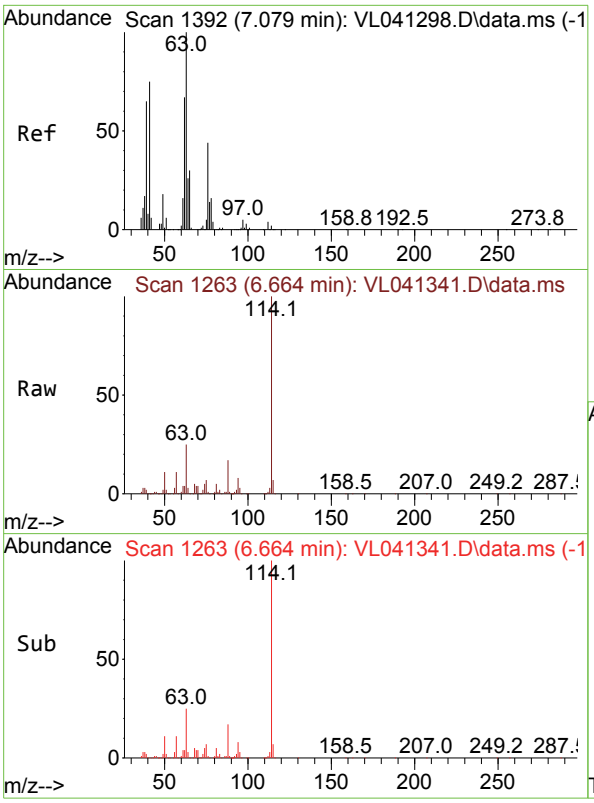


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 1263
Delta R.T. -0.003 min
Lab File: VL041341.D
Acq: 11 Jun 2024 10:57

Tgt Ion:114 Resp: 2966395

Ion	Ratio	Lower	Upper
114	100		
63	24.9	20.6	30.8
88	17.8	14.5	21.7



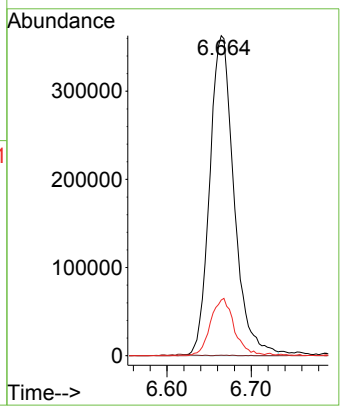


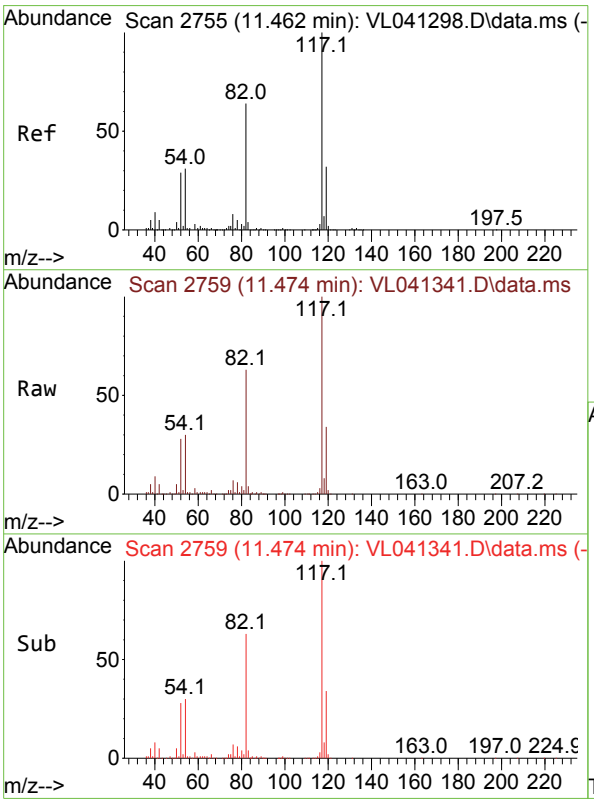
#39
1,2-Dichloropropane
Concen: 7.950 ppbv
RT: 6.664 min Scan# 1
Delta R.T. -0.424 min
Lab File: VL041341.D
Acq: 11 Jun 2024 10:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 727862

Ion	Ratio	Lower	Upper
63	100		
41	0.1	59.9	89.9#
62	17.4	53.8	80.6#

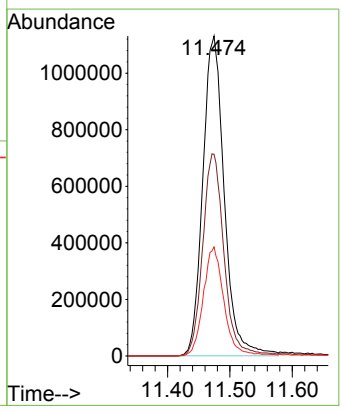


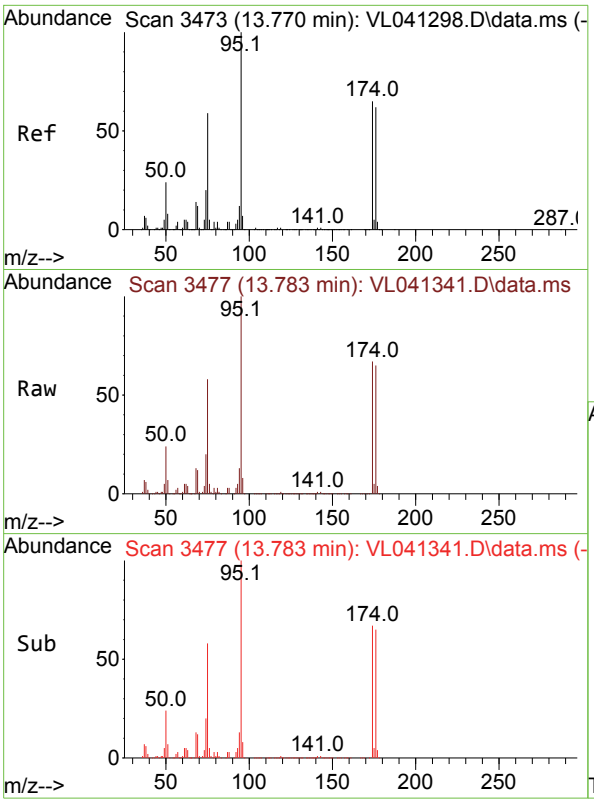


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.474 min Scan# 2759
Delta R.T. 0.000 min
Lab File: VL041341.D
Acq: 11 Jun 2024 10:57

Tgt Ion:117 Resp: 2712992

Ion	Ratio	Lower	Upper
117	100		
82	63.9	52.3	78.5
119	33.0	26.2	39.2





#68
1-Bromo-4-Fluorobenzene
Concen: 9.862 ppbv
RT: 13.783 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL041341.D
Acq: 11 Jun 2024 10:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2065825

Ion	Ratio	Lower	Upper
95	100		
174	69.1	52.2	78.2
175	5.0	4.1	6.1