Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082124\
Data File : VL041575.D
Acq On : 21 Aug 2024 20:24
Operator : SY/MD
Sample : P3709-02DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Aug 22 15:47:53 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 : Thu Aug 22 01:05:17 2024
Response via : Initial Calibration

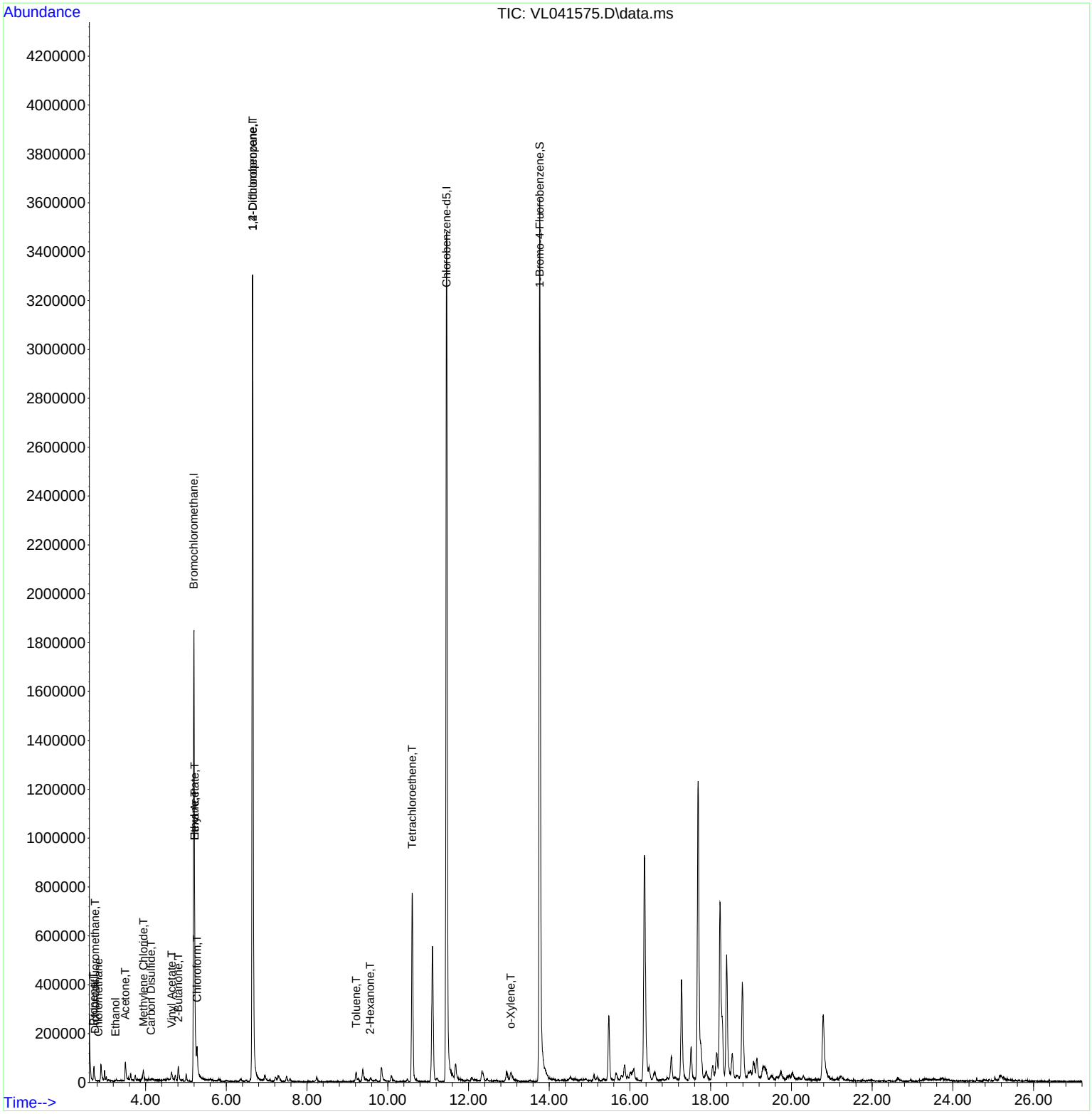
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.195	49	960383	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	6.652	114	2561931	10.000	ppbv		0.00
55) Chlorobenzene-d5	11.458	117	2337718	10.000	ppbv	#	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	13.764	95	1793518	9.969	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.700%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.748	85	6134	0.037	ppbv		99
4) Chloromethane	2.829	50	2407	0.040	ppbv		92
9) Propene	2.713	41	15283	0.291	ppbv		93
13) Ethanol	3.256	45	321	0.068	ppbv	#	41
15) Acetone	3.494	43	80127	0.734	ppbv	#	75
20) Methylene Chloride	3.948	84	5448	0.134	ppbv		90
23) Vinyl Acetate	4.645	43	45635	0.548	ppbv	#	85
25) Ethyl Acetate	5.214	43	32009	0.148	ppbv	#	81
26) Hexane	5.214	57	38563	0.429	ppbv	#	35
27) Carbon Disulfide	4.134	76	7326	0.070	ppbv	#	43
29) Chloroform	5.275	83	55418	0.378	ppbv		92
34) 2-Butanone	4.812	43	62603	0.505	ppbv	#	84
39) 1,2-Dichloropropane	6.652	63	636474	8.881	ppbv	#	24
51) 2-Hexanone	9.561	43	5969	0.040	ppbv	#	30
52) Tetrachloroethene	10.606	164	199406	2.757	ppbv		95
53) Toluene	9.217	91	20922	0.100	ppbv	#	66
60) o-Xylene	13.047	91	15009	0.068	ppbv		70

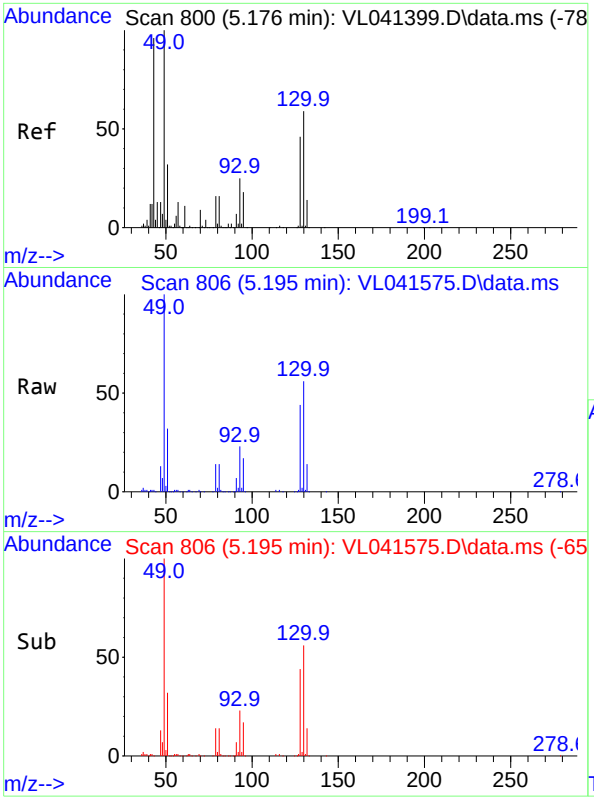
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082124\
Data File : VL041575.D
Acq On : 21 Aug 2024 20:24
Operator : SY/MD
Sample : P3709-02DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Aug 22 15:47:53 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 : Thu Aug 22 01:05:17 2024
Response via : Initial Calibration



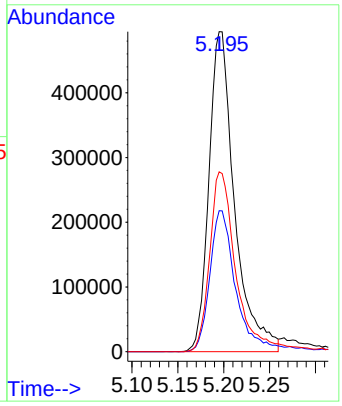


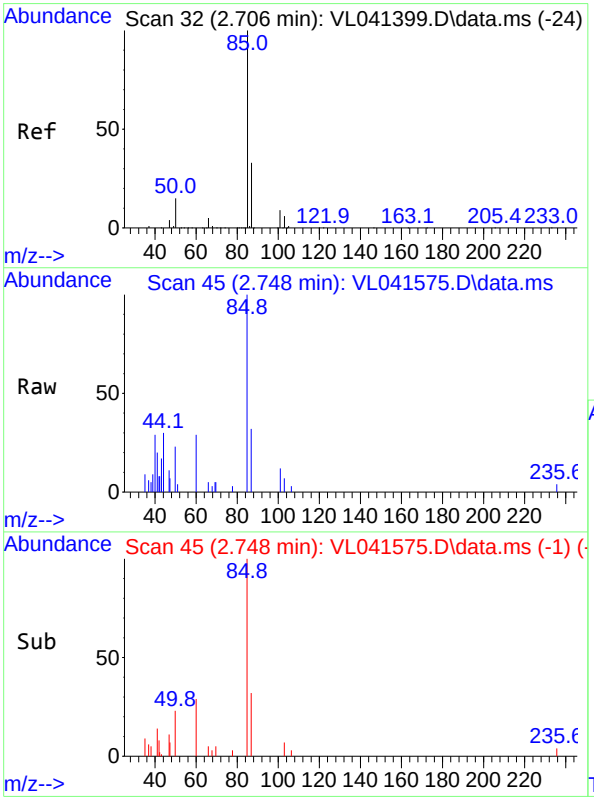
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL041575.D
Acq: 21 Aug 2024 20:24

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 960383

Ion	Ratio	Lower	Upper
49	100		
128	47.6	23.8	71.4
130	58.6	30.8	92.4

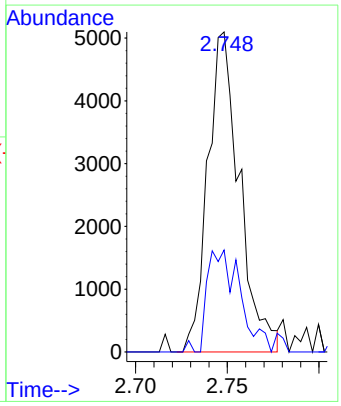


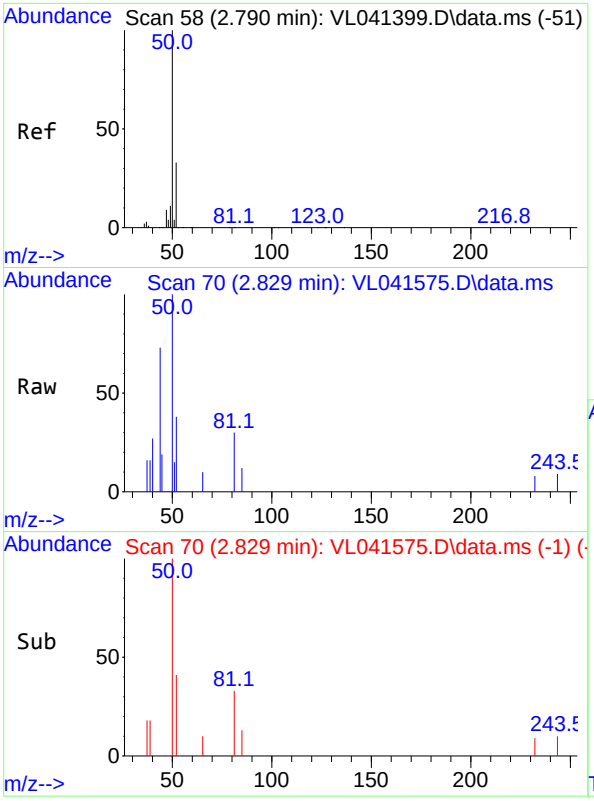


#2
Dichlorodifluoromethane
Concen: 0.037 ppbv
RT: 2.748 min Scan# 45
Delta R.T. 0.006 min
Lab File: VL041575.D
Acq: 21 Aug 2024 20:24

Tgt Ion: 85 Resp: 6134

Ion	Ratio	Lower	Upper
85	100		
87	31.9	26.0	39.0



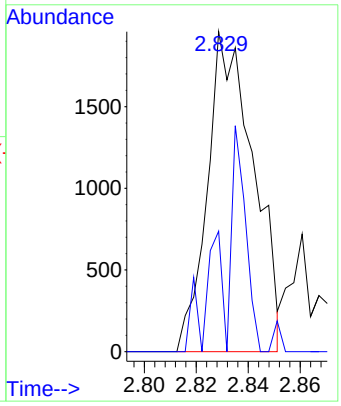


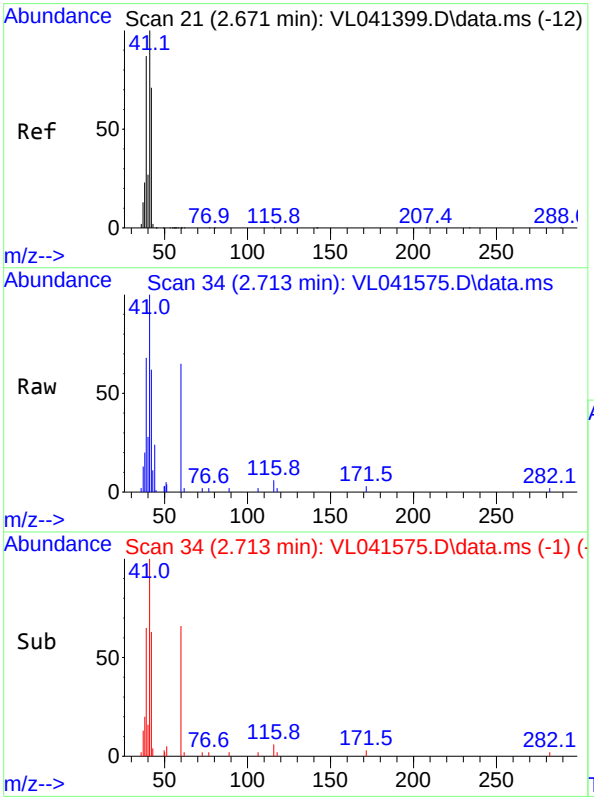
#4
Chloromethane
Concen: 0.040 ppbv
RT: 2.829 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL041575.D
Acq: 21 Aug 2024 20:24

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 50 Resp: 2407

Ion	Ratio	Lower	Upper
50	100		
52	28.0	26.1	39.1

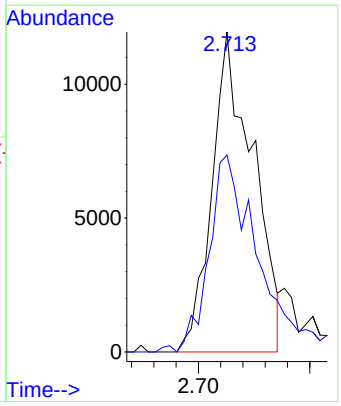


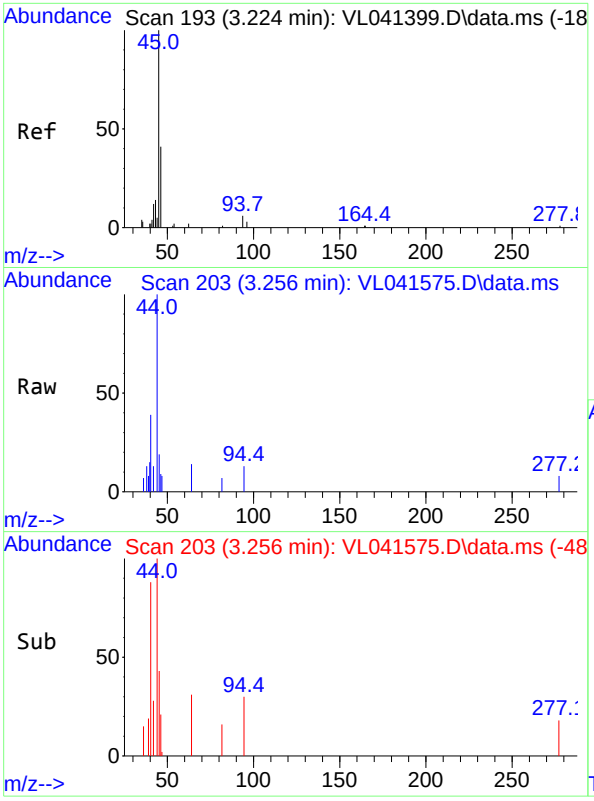


#9
Propene
Concen: 0.291 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.006 min
Lab File: VL041575.D
Acq: 21 Aug 2024 20:24

Tgt Ion: 41 Resp: 15283

Ion	Ratio	Lower	Upper
41	100		
42	75.9	55.9	83.9



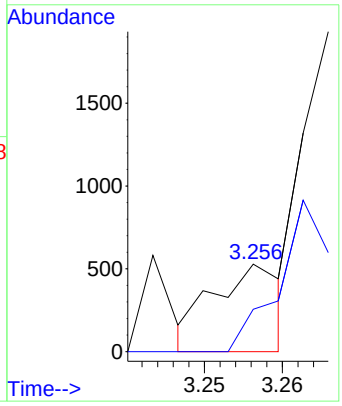


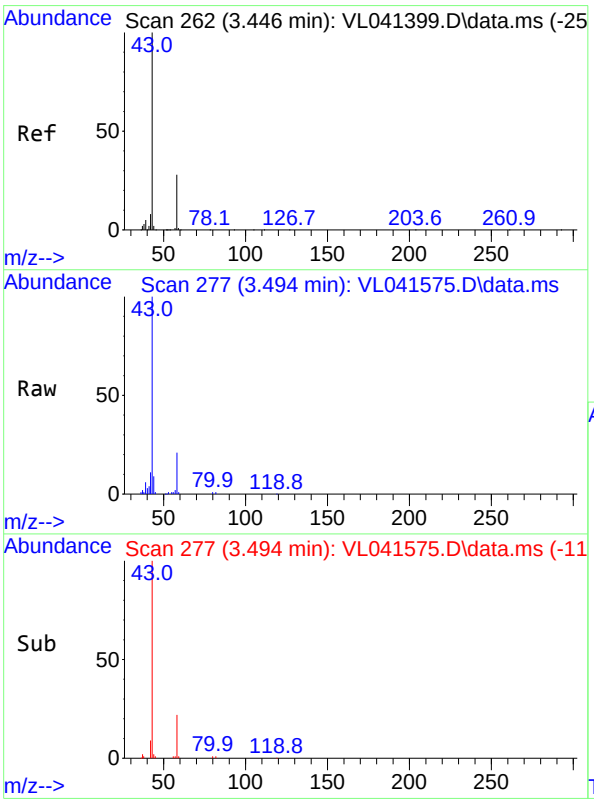
#13
Ethanol
Concen: 0.068 ppbv
RT: 3.256 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL041575.D
Acq: 21 Aug 2024 20:24

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 321

Ion	Ratio	Lower	Upper
45	100		
46	0.0	13.4	53.4#

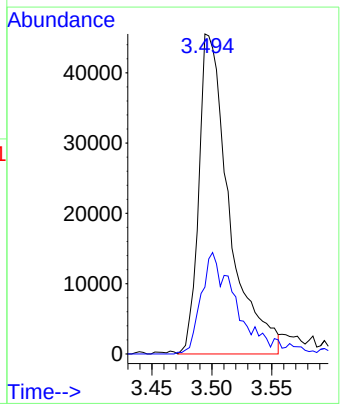


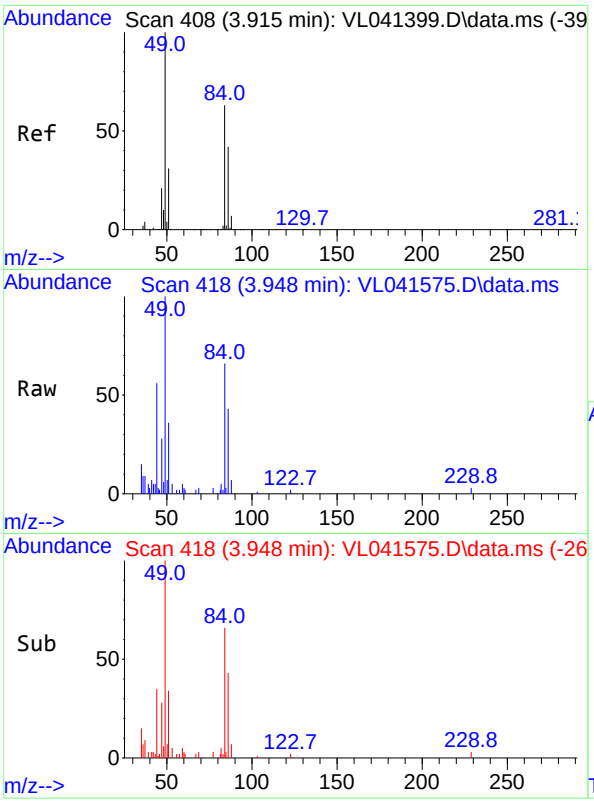


#15
Acetone
Concen: 0.734 ppbv
RT: 3.494 min Scan# 277
Delta R.T. 0.016 min
Lab File: VL041575.D
Acq: 21 Aug 2024 20:24

Tgt Ion: 43 Resp: 80127

Ion	Ratio	Lower	Upper
43	100		
58	39.5	21.4	32.2#



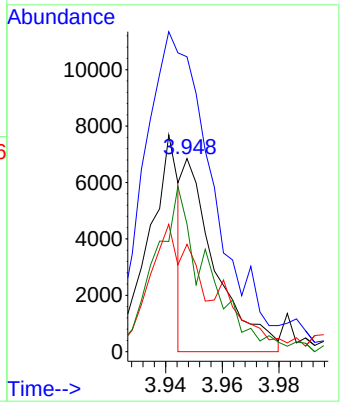


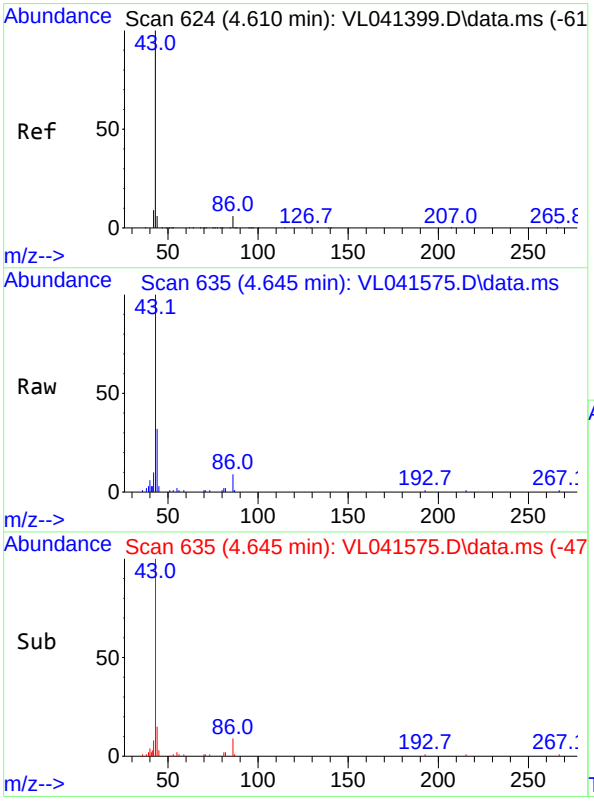
#20
Methylene Chloride
Concen: 0.134 ppbv
RT: 3.948 min Scan# 4
Delta R.T. 0.007 min
Lab File: VL041575.D
Acq: 21 Aug 2024 20:24

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 5448

Ion	Ratio	Lower	Upper
84	100		
49	139.8	126.6	190.0
51	49.0	38.6	58.0
86	61.3	53.0	79.4

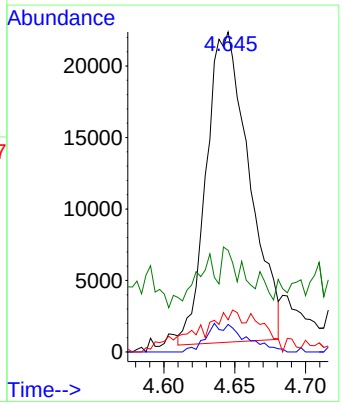


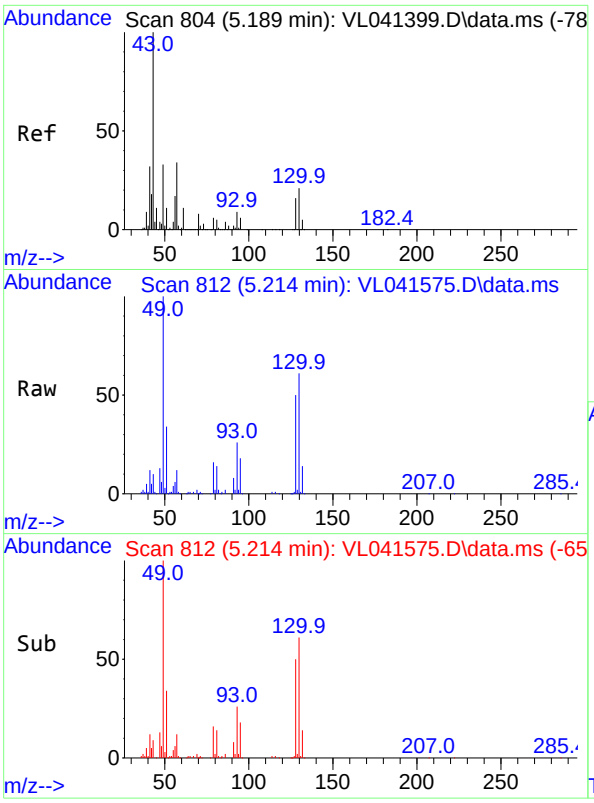


#23
Vinyl Acetate
Concen: 0.548 ppbv
RT: 4.645 min Scan# 635
Delta R.T. 0.013 min
Lab File: VL041575.D
Acq: 21 Aug 2024 20:24

Tgt Ion: 43 Resp: 45635

Ion	Ratio	Lower	Upper
43	100		
86	9.1	4.6	6.8#
42	6.2	7.9	11.9#
44	15.5	4.2	6.4#



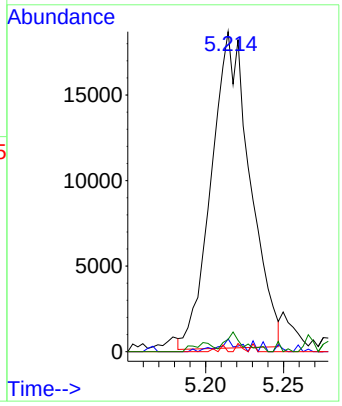


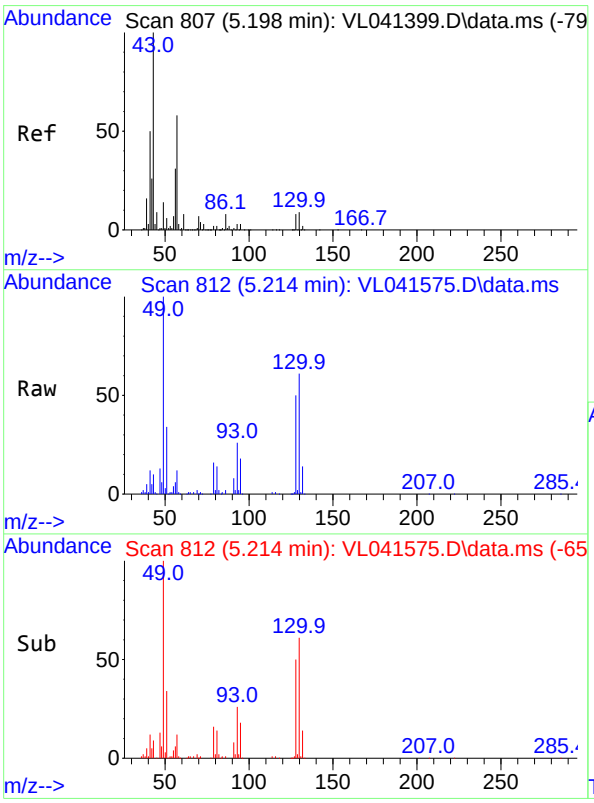
#25
Ethyl Acetate
Concen: 0.148 ppbv
RT: 5.214 min Scan# 8
Delta R.T. 0.007 min
Lab File: VL041575.D
Acq: 21 Aug 2024 20:24

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 32009

Ion	Ratio	Lower	Upper
43	100		
45	3.3	8.5	12.7#
61	0.0	8.0	12.0#
70	4.2	5.9	8.9#

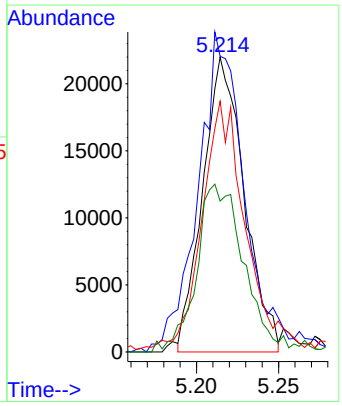


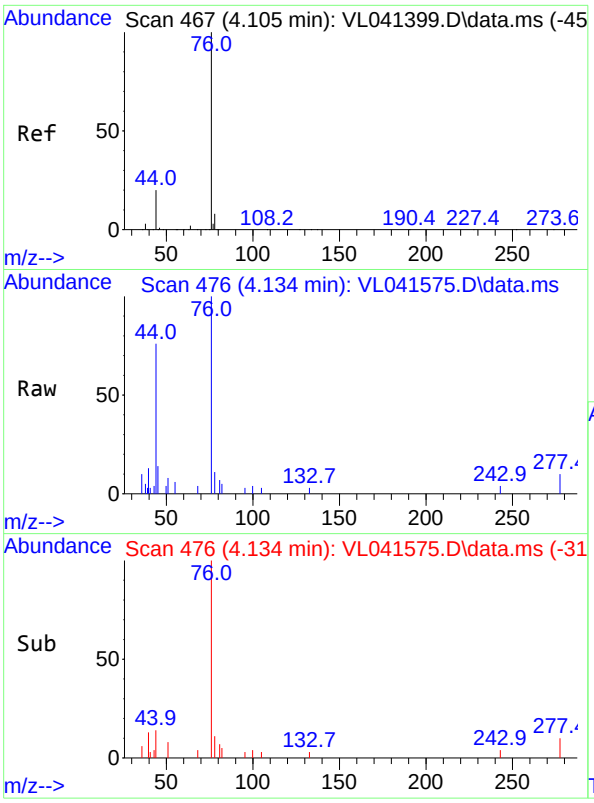


#26
Hexane
Concen: 0.429 ppbv
RT: 5.214 min Scan# 812
Delta R.T. -0.003 min
Lab File: VL041575.D
Acq: 21 Aug 2024 20:24

Tgt Ion: 57 Resp: 38563

Ion	Ratio	Lower	Upper
57	100		
41	126.0	74.0	111.0#
43	94.5	193.6	290.4#
56	66.3	43.1	64.7#



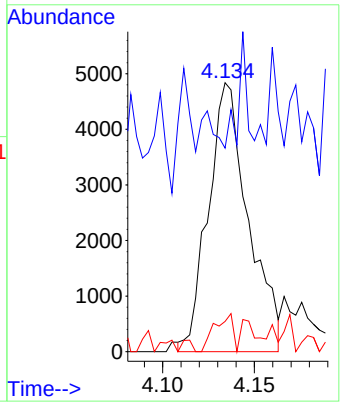


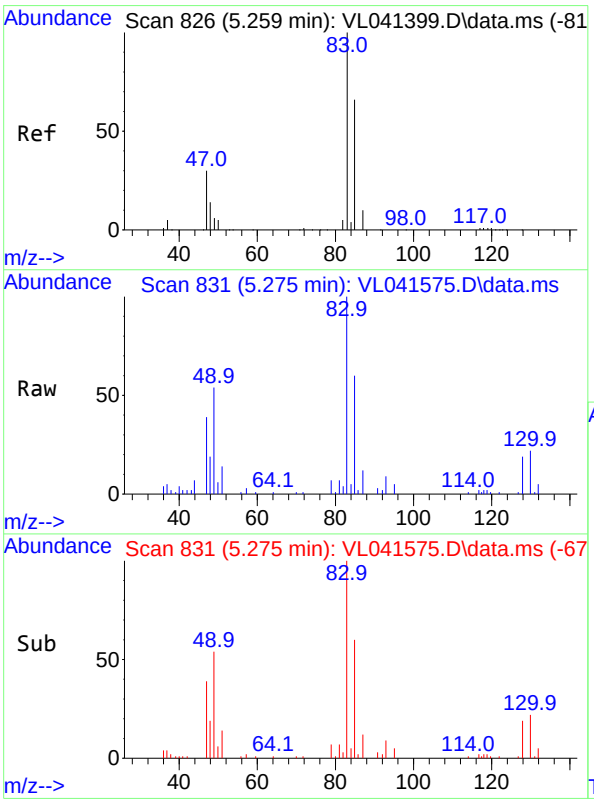
#27
Carbon Disulfide
Concen: 0.070 ppbv
RT: 4.134 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL041575.D
Acq: 21 Aug 2024 20:24

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 7326

Ion	Ratio	Lower	Upper
76	100		
44	56.0	15.6	23.4#
78	6.4	7.7	11.5#

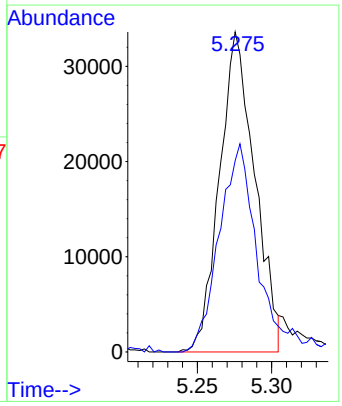


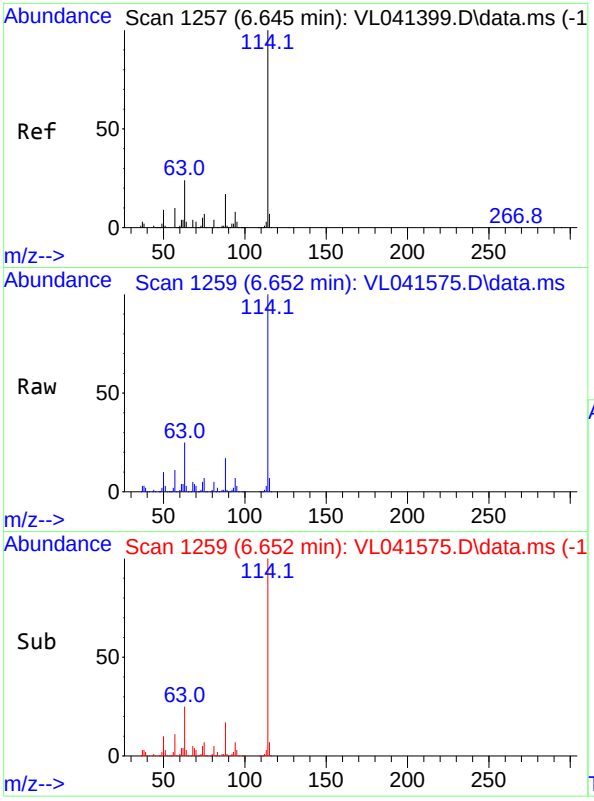


#29
Chloroform
Concen: 0.378 ppbv
RT: 5.275 min Scan# 831
Delta R.T. -0.003 min
Lab File: VL041575.D
Acq: 21 Aug 2024 20:24

Tgt Ion: 83 Resp: 55418

Ion	Ratio	Lower	Upper
83	100		
85	59.8	53.1	79.7



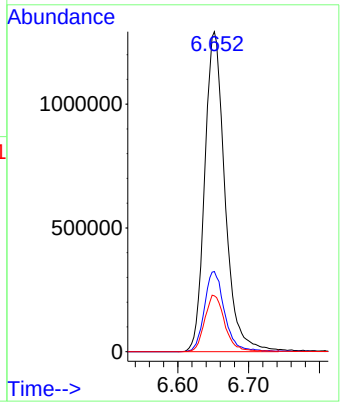


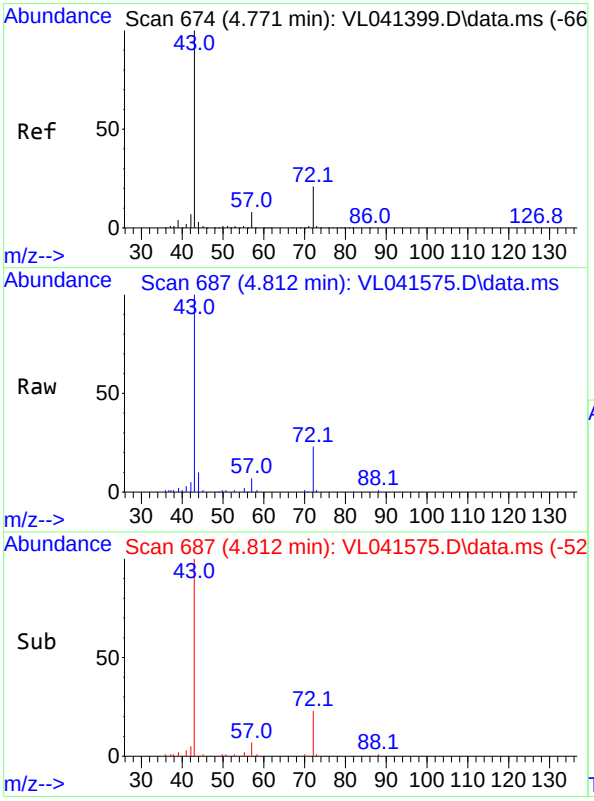
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.652 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL041575.D
Acq: 21 Aug 2024 20:24

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2561931

Ion	Ratio	Lower	Upper
114	100		
63	25.3	20.3	30.5
88	17.7	14.3	21.5

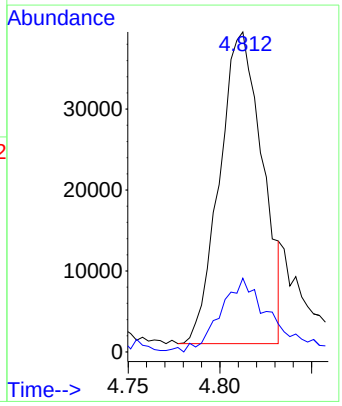


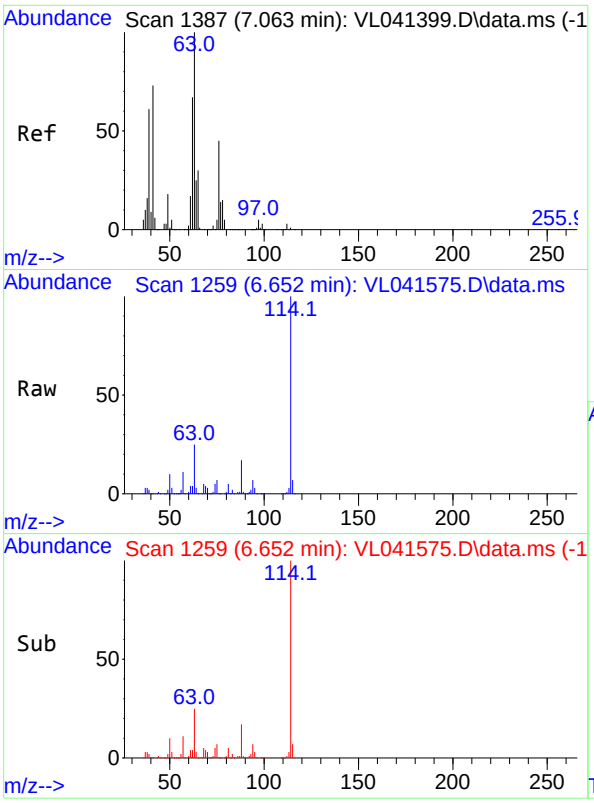


#34
2-Butanone
Concen: 0.505 ppbv
RT: 4.812 min Scan# 687
Delta R.T. 0.019 min
Lab File: VL041575.D
Acq: 21 Aug 2024 20:24

Tgt Ion: 43 Resp: 62603

Ion	Ratio	Lower	Upper
43	100		
72	29.0	17.3	25.9#



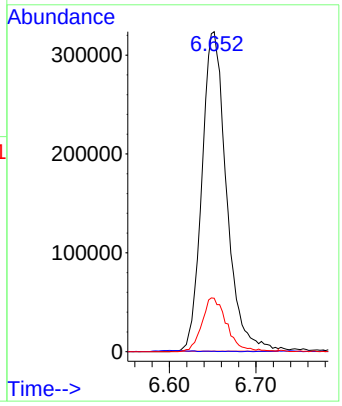


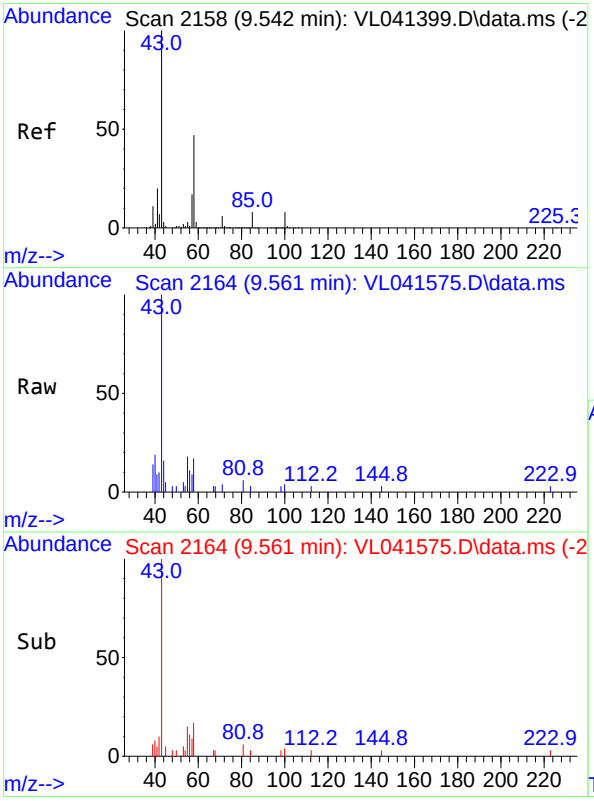
#39
1,2-Dichloropropane
Concen: 8.881 ppbv
RT: 6.652 min Scan# 1
Delta R.T. -0.424 min
Lab File: VL041575.D
Acq: 21 Aug 2024 20:24

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 636474

Ion	Ratio	Lower	Upper
63	100		
41	0.0	58.3	87.5#
62	16.5	53.9	80.9#

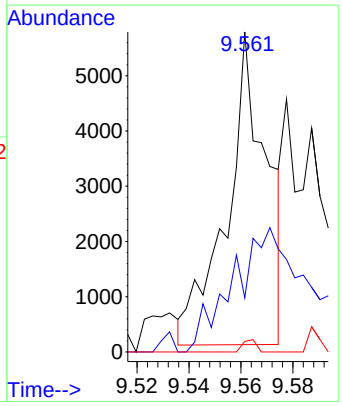


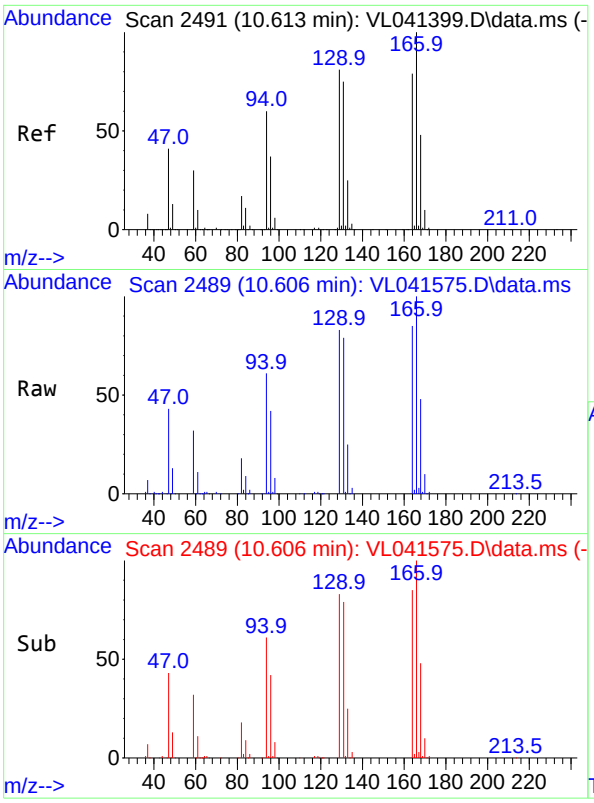


#51
2-Hexanone
Concen: 0.040 ppbv
RT: 9.561 min Scan# 2164
Delta R.T. 0.010 min
Lab File: VL041575.D
Acq: 21 Aug 2024 20:24

Tgt Ion: 43 Resp: 5969

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.2	57.2#
98	0.0	0.3	0.5#



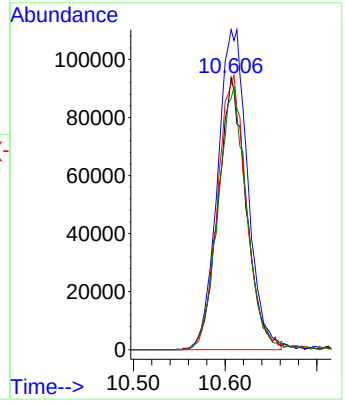


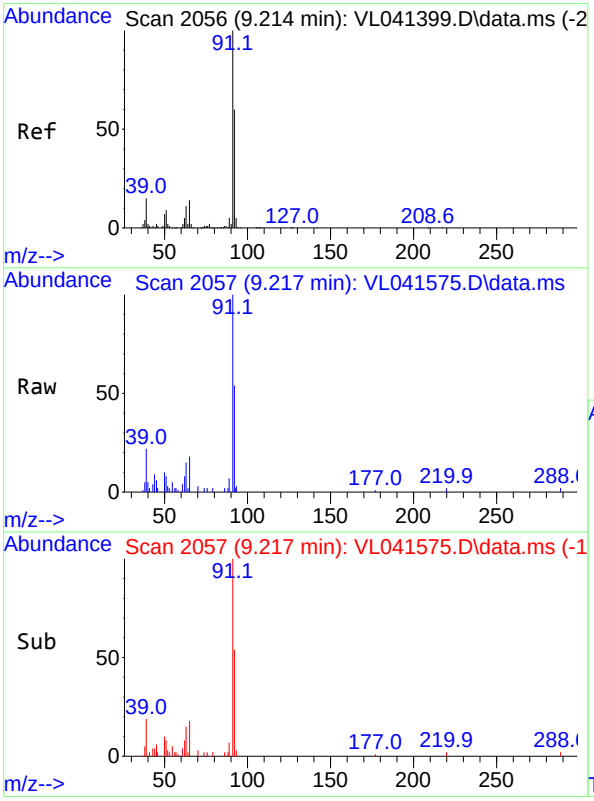
#52
Tetrachloroethene
Concen: 2.757 ppbv
RT: 10.606 min Scan# 24
Delta R.T. -0.010 min
Lab File: VL041575.D
Acq: 21 Aug 2024 20:24

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:164 Resp: 199406

Ion	Ratio	Lower	Upper
164	100		
166	117.6	101.1	151.7
129	97.7	81.7	122.5
131	92.4	76.2	114.4

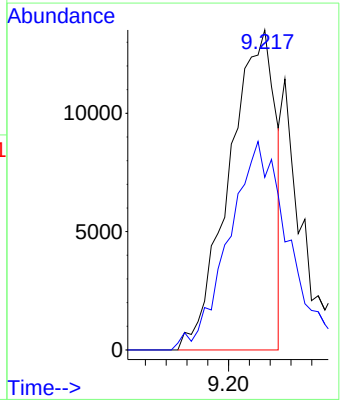


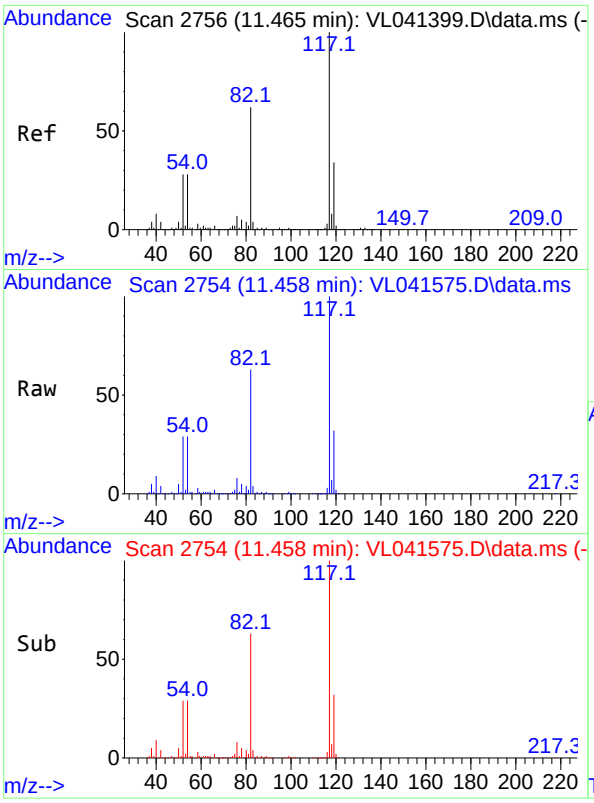


#53
Toluene
Concen: 0.100 ppbv
RT: 9.217 min Scan# 2057
Delta R.T. -0.003 min
Lab File: VL041575.D
Acq: 21 Aug 2024 20:24

Tgt Ion: 91 Resp: 20922

Ion	Ratio	Lower	Upper
91	100		
92	87.2	48.7	73.1#



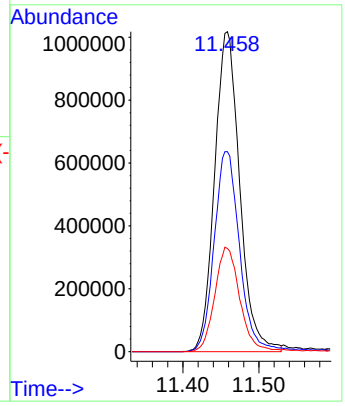


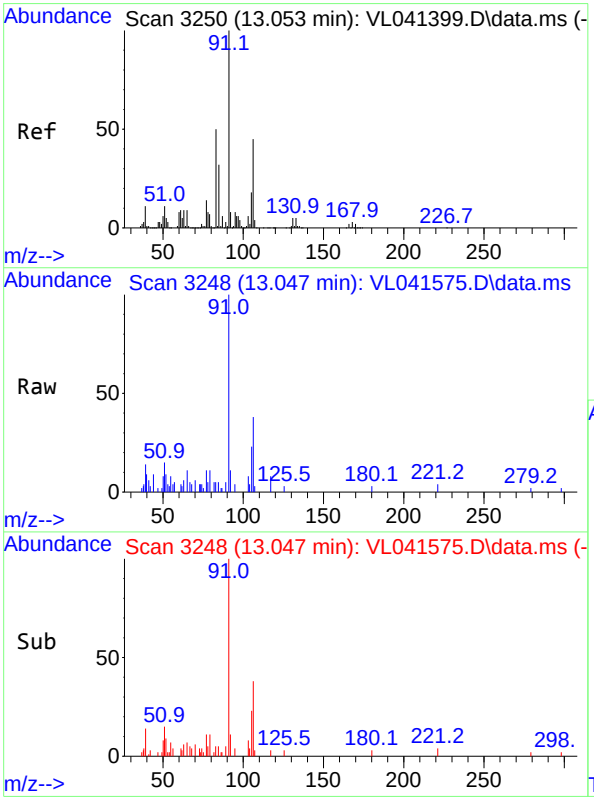
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL041575.D
Acq: 21 Aug 2024 20:24

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2337718

Ion	Ratio	Lower	Upper
117	100		
82	64.0	51.0	76.6
119	32.8	45.2	67.8#

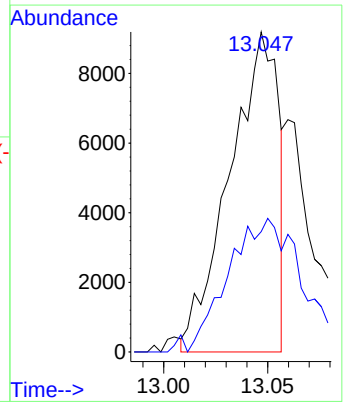


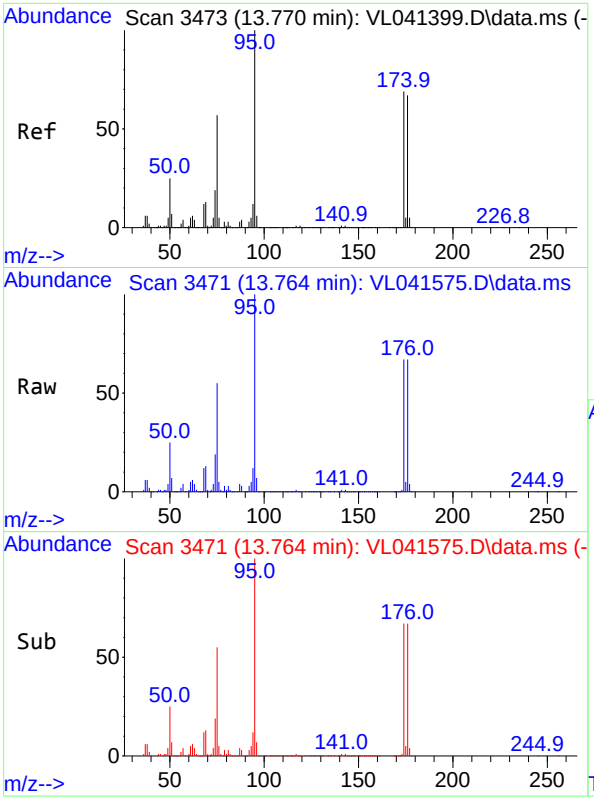


#60
o-Xylene
Concen: 0.068 ppbv
RT: 13.047 min Scan# 3248
Delta R.T. -0.010 min
Lab File: VL041575.D
Acq: 21 Aug 2024 20:24

Tgt Ion: 91 Resp: 15009

Ion	Ratio	Lower	Upper
91	100		
106	66.4	23.1	69.3





#68
1-Bromo-4-Fluorobenzene
Concen: 9.969 ppbv
RT: 13.764 min Scan# 34
Delta R.T. -0.010 min
Lab File: VL041575.D
Acq: 21 Aug 2024 20:24

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 1793518

Ion	Ratio	Lower	Upper
95	100		
174	71.2	56.3	84.5
175	5.0	4.0	6.0