Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041902.D
Acq On : 14 Jan 2025 21:14
Operator : SY/MD
Sample : Q1073-04DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jan 15 03:27:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.790	49	136404	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.965	114	393396	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.885	117	334705	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.380	95	269632	10.228	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.300%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	7612	0.410	ppbv		99
3) Chlorodifluoromethane	1.466	51	46913	2.410	ppbv	#	67
4) Chloromethane	1.534	50	3921	0.561	ppbv	#	89
9) Propene	1.486	41	6864	0.856	ppbv	#	83
13) Ethanol	1.722	45	31885	54.290	ppbv		85
15) Acetone	1.839	43	72709	4.438	ppbv		99
16) 1,3-Butadiene	1.622	39	4172	0.567	ppbv	#	28
19) Isopropyl Alcohol	1.887	45	25282	2.603	ppbv	#	47
20) Methylene Chloride	2.065	84	2018	0.312	ppbv	#	72
23) Vinyl Acetate	2.457	43	1388	0.171	ppbv	#	31
26) Hexane	2.829	57	5925	0.339	ppbv	#	53
34) 2-Butanone	2.564	43	30406	1.215	ppbv		98
35) Carbon Tetrachloride	3.771	117	861	0.035	ppbv	#	90
36) Benzene	3.661	78	7859	0.218	ppbv		95
39) 1,2-Dichloropropane	3.962	63	99113	7.831	ppbv	#	21
52) Tetrachloroethene	8.218	164	560	0.045	ppbv	#	47
53) Toluene	6.943	91	26752	0.681	ppbv		100
56) 1,1,1,2-Tetrachloroethane	8.943	131	45	0.003	ppbv	#	1
80) Naphthalene,2-methyl-	14.461	142	389	0.017	ppbv	#	57

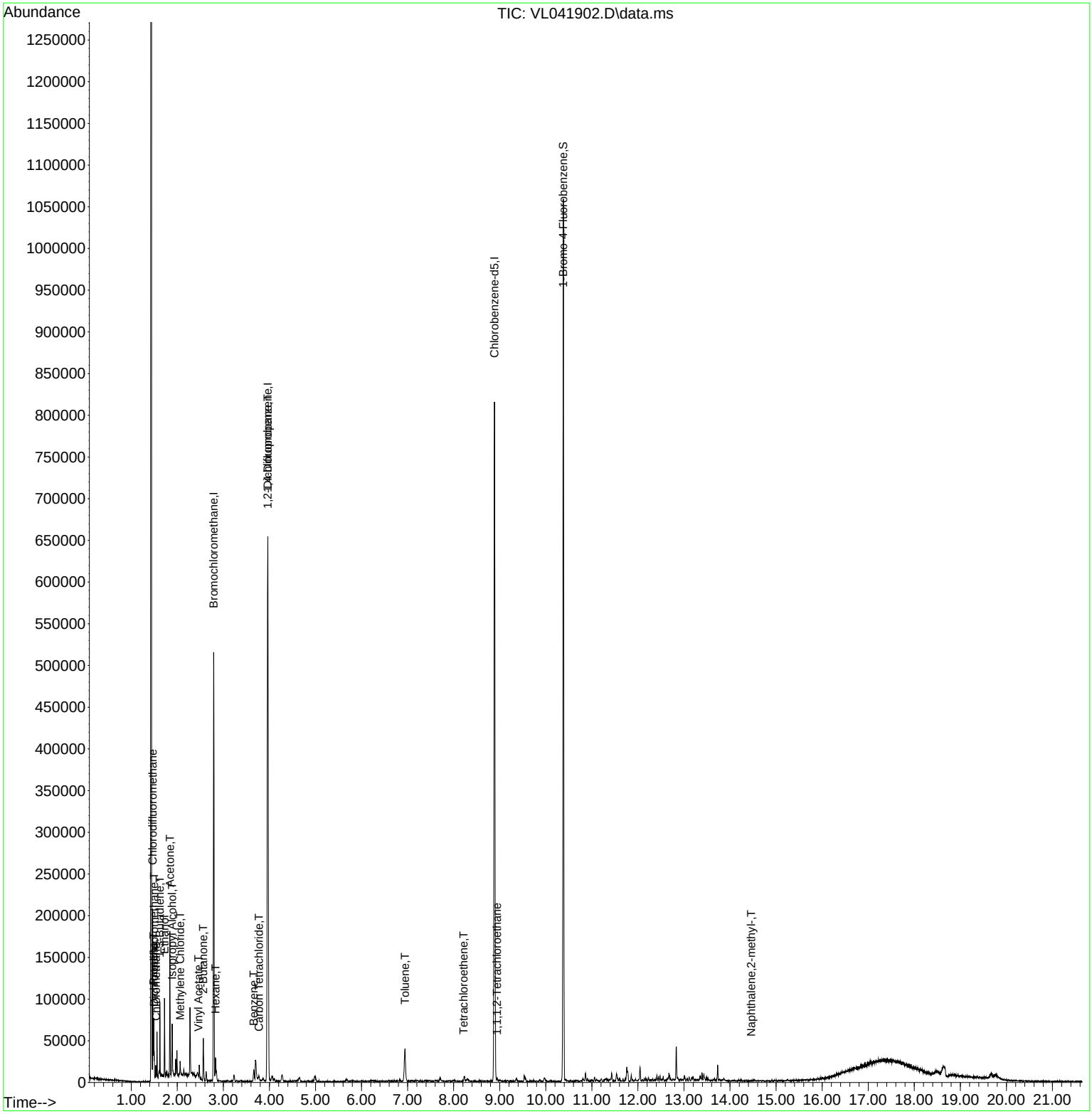
(#) = qualifier out of range (m) = manual integration (+) = signals summed

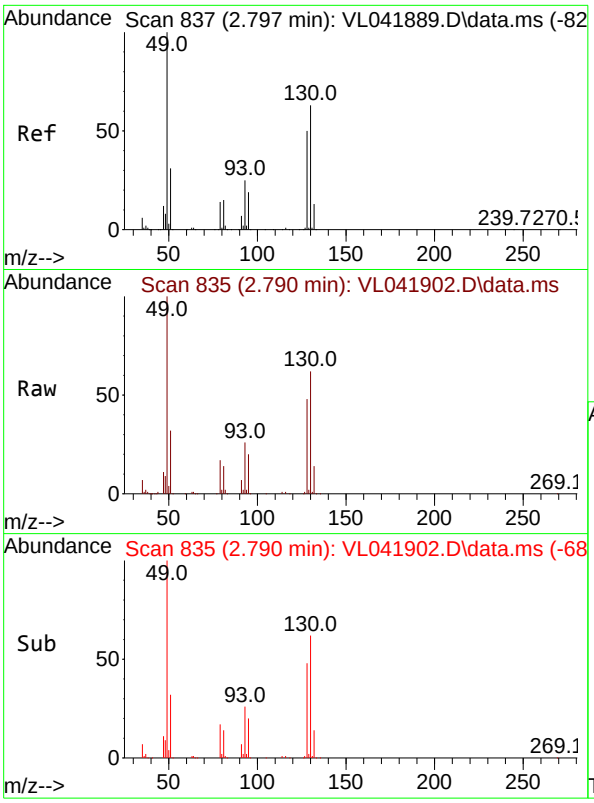
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041902.D
Acq On : 14 Jan 2025 21:14
Operator : SY/MD
Sample : Q1073-04DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jan 15 03:27:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration



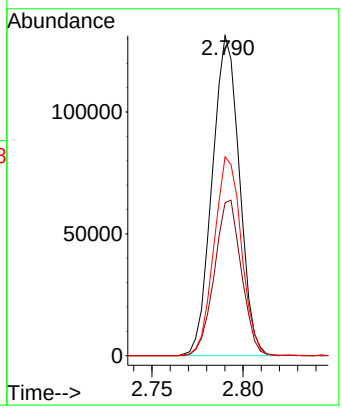


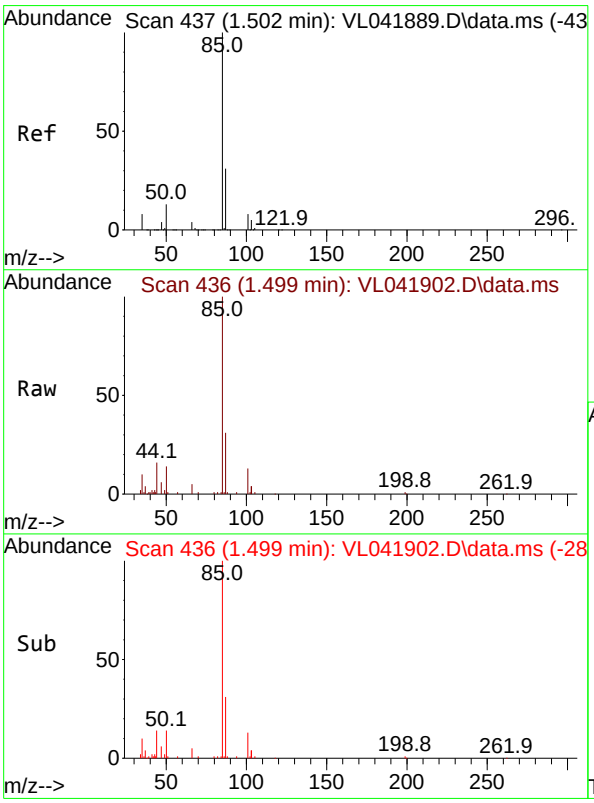
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. -0.007 min
Lab File: VL041902.D
Acq: 14 Jan 2025 21:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 136404

Ion	Ratio	Lower	Upper
49	100		
128	48.3	24.3	73.0
130	62.5	31.1	93.2

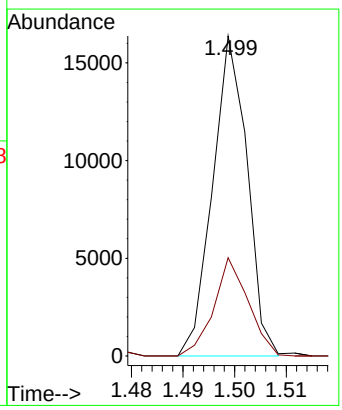


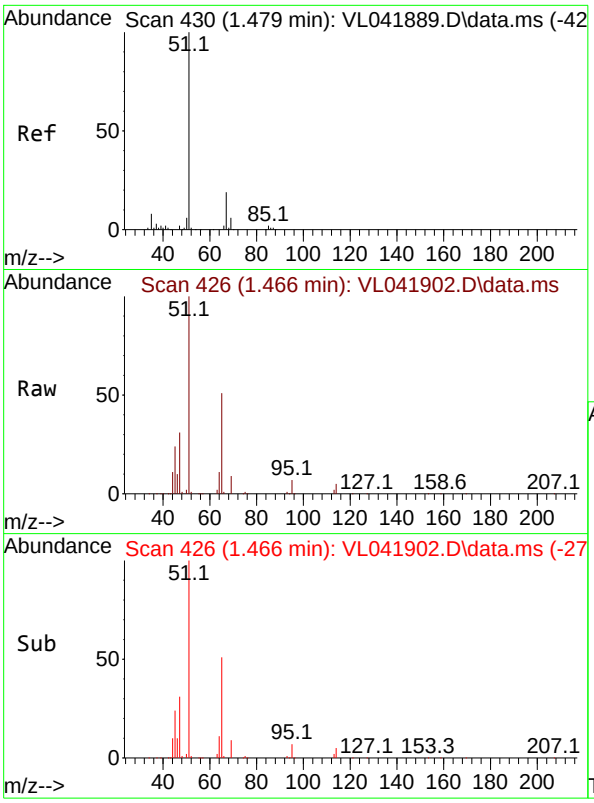


#2
Dichlorodifluoromethane
Concen: 0.410 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL041902.D
Acq: 14 Jan 2025 21:14

Tgt Ion: 85 Resp: 7612

Ion	Ratio	Lower	Upper
85	100		
87	30.7	24.9	37.3



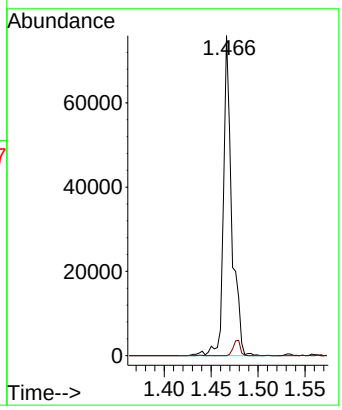


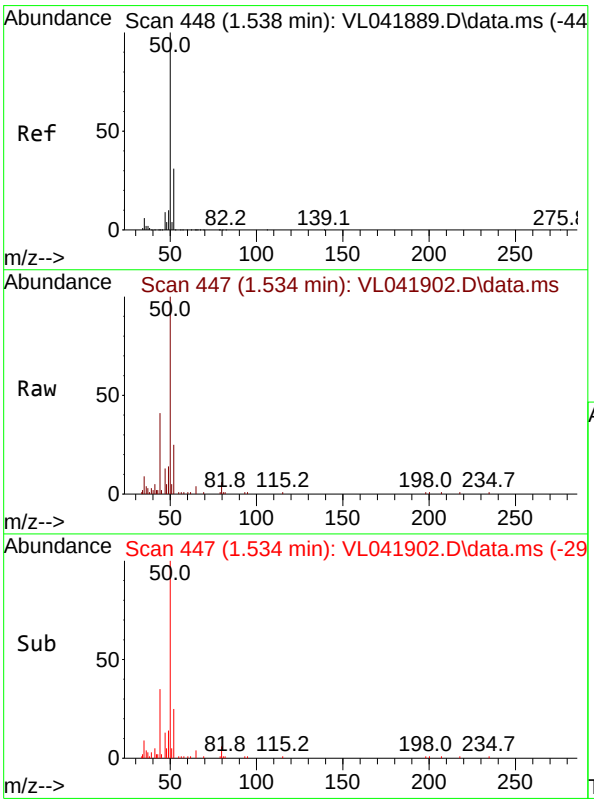
#3
Chlorodifluoromethane
Concen: 2.410 ppbv
RT: 1.466 min Scan# 4
Delta R.T. -0.013 min
Lab File: VL041902.D
Acq: 14 Jan 2025 21:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 46913

Ion	Ratio	Lower	Upper
51	100		
67	4.1	15.0	22.4#

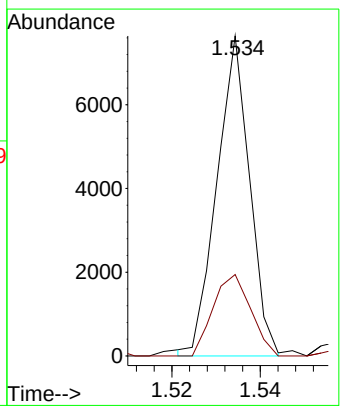


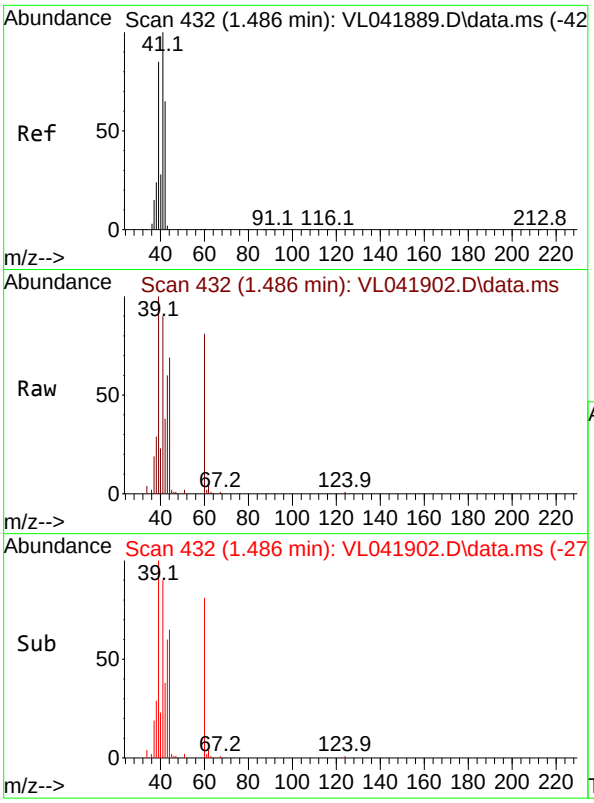


#4
Chloromethane
Concen: 0.561 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL041902.D
Acq: 14 Jan 2025 21:14

Tgt Ion: 50 Resp: 3921

Ion	Ratio	Lower	Upper
50	100		
52	24.5	24.6	36.8#



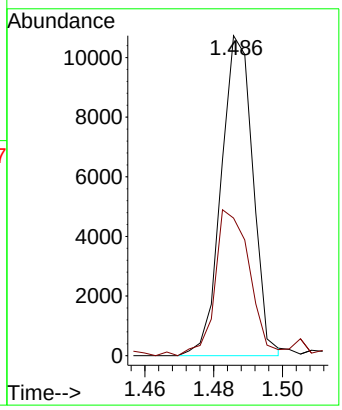


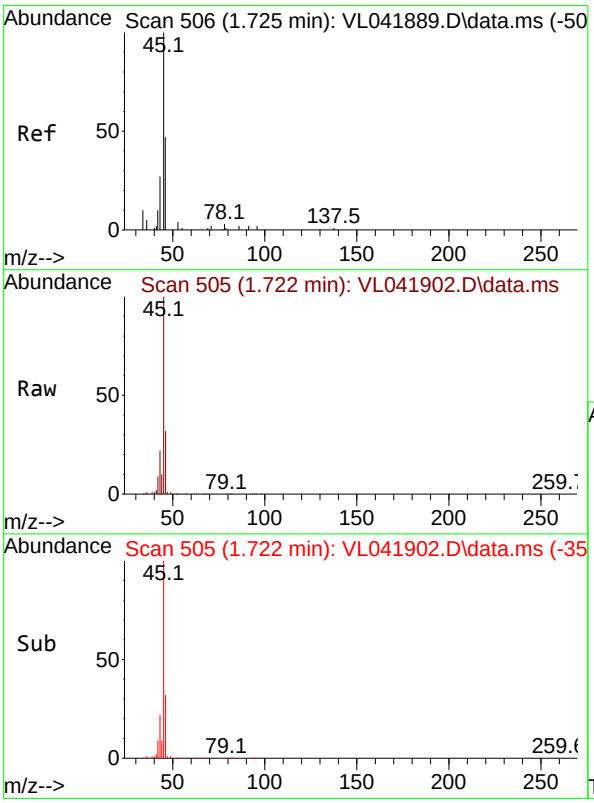
#9
Propene
Concen: 0.856 ppbv
RT: 1.486 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL041902.D
Acq: 14 Jan 2025 21:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 6864

Ion	Ratio	Lower	Upper
41	100		
42	52.0	52.0	78.0#

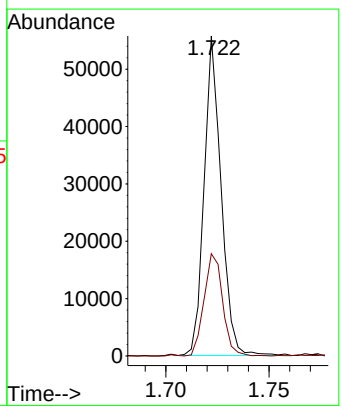


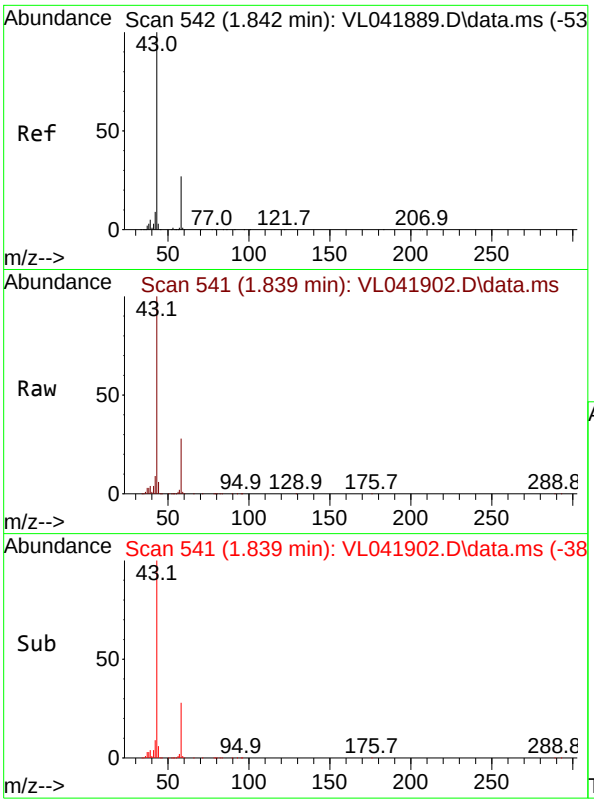


#13
Ethanol
Concen: 54.290 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.003 min
Lab File: VL041902.D
Acq: 14 Jan 2025 21:14

Tgt Ion: 45 Resp: 31885

Ion	Ratio	Lower	Upper
45	100		
46	35.3	18.1	72.5



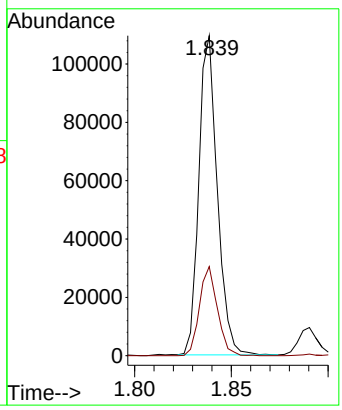


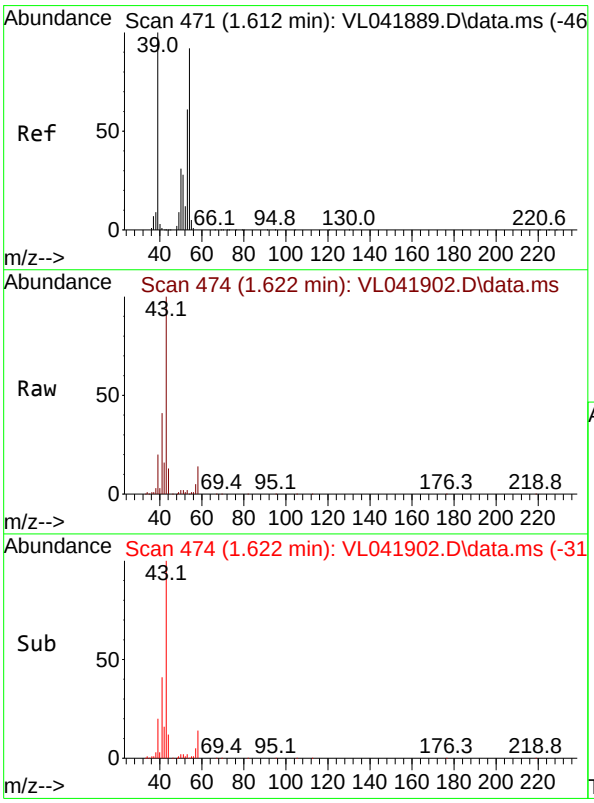
#15
Acetone
Concen: 4.438 ppbv
RT: 1.839 min Scan# 54
Delta R.T. -0.003 min
Lab File: VL041902.D
Acq: 14 Jan 2025 21:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 72709

Ion	Ratio	Lower	Upper
43	100		
58	27.1	21.9	32.9

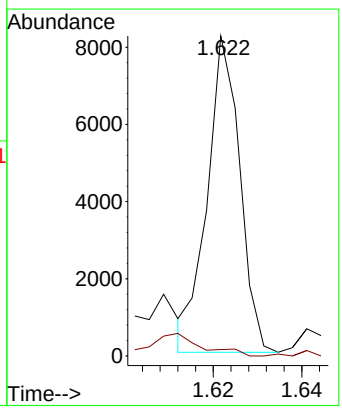


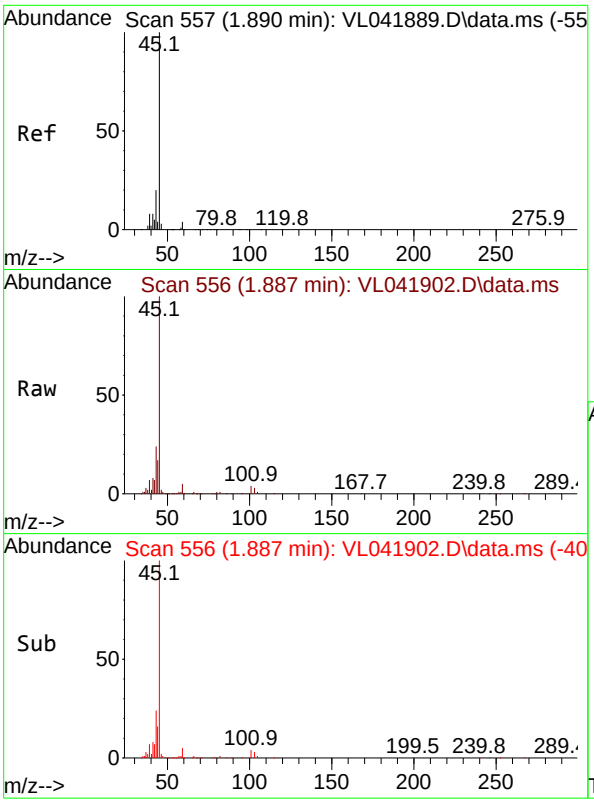


#16
1,3-Butadiene
Concen: 0.567 ppbv
RT: 1.622 min Scan# 474
Delta R.T. 0.010 min
Lab File: VL041902.D
Acq: 14 Jan 2025 21:14

Tgt Ion: 39 Resp: 4172

Ion	Ratio	Lower	Upper
39	100		
54	14.5	61.6	92.4#



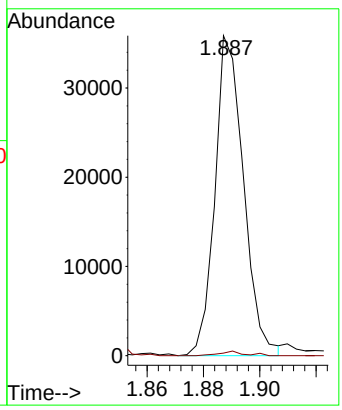


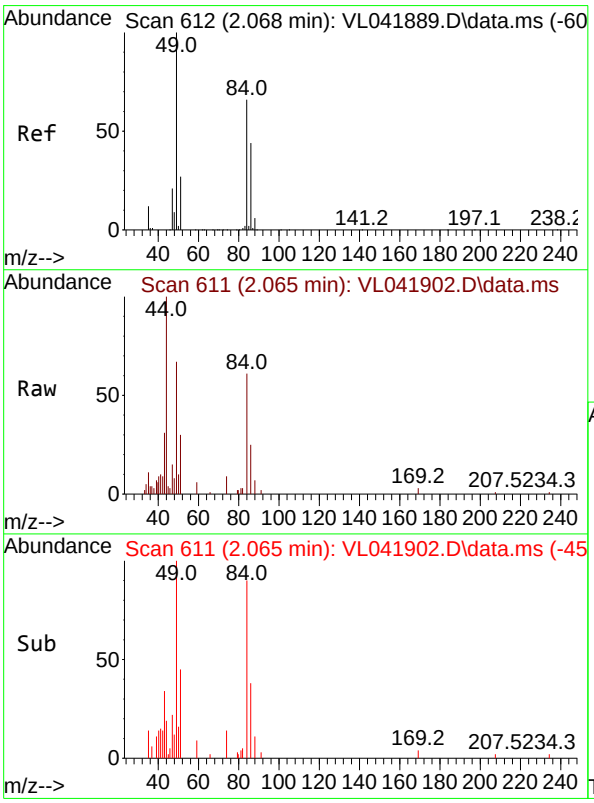
#19
Isopropyl Alcohol
Concen: 2.603 ppbv
RT: 1.887 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL041902.D
Acq: 14 Jan 2025 21:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 25282

Ion	Ratio	Lower	Upper
45	100		
58	78.0	35.0	52.6#

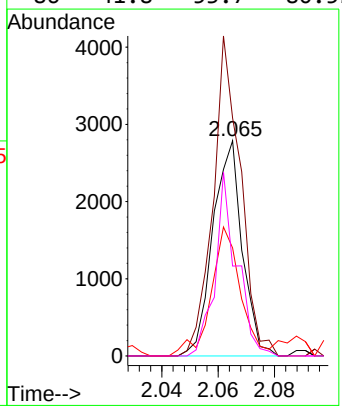


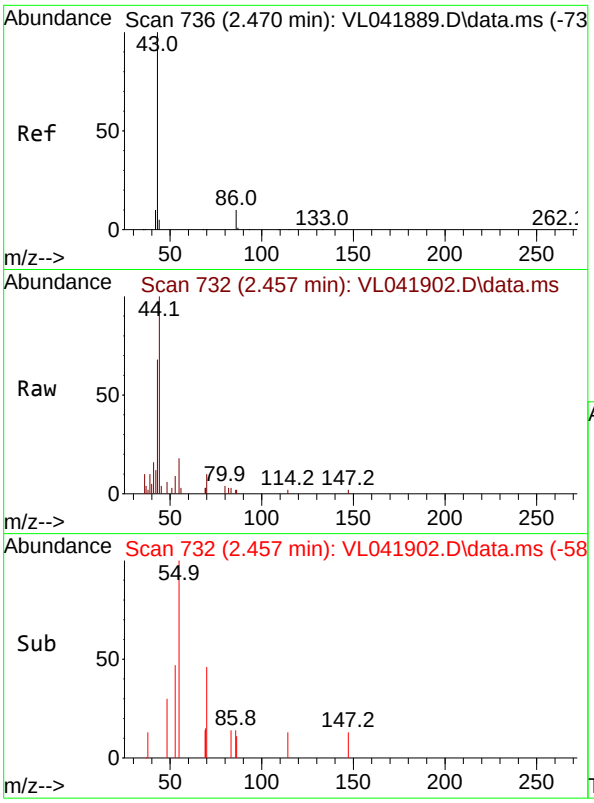


#20
Methylene Chloride
Concen: 0.312 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL041902.D
Acq: 14 Jan 2025 21:14

Tgt Ion: 84 Resp: 2018

Ion	Ratio	Lower	Upper
84	100		
49	110.5	123.1	184.7#
51	47.4	35.8	53.8
86	41.8	53.7	80.5#



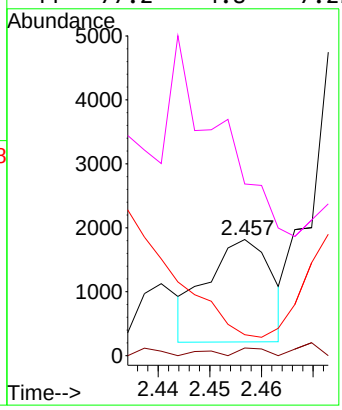


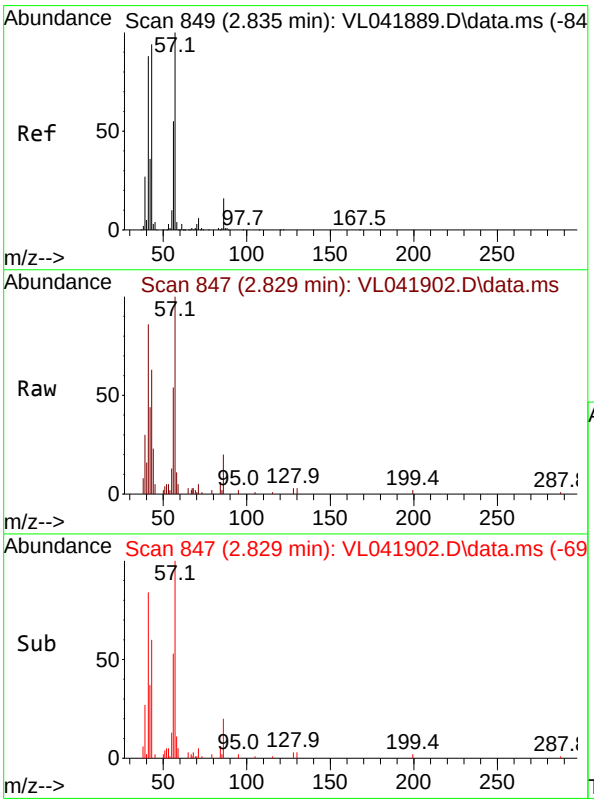
#23
Vinyl Acetate
Concen: 0.171 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.013 min
Lab File: VL041902.D
Acq: 14 Jan 2025 21:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1388

Ion	Ratio	Lower	Upper
43	100		
86	13.6	6.2	9.4#
42	0.0	8.5	12.7#
44	77.2	4.8	7.2#

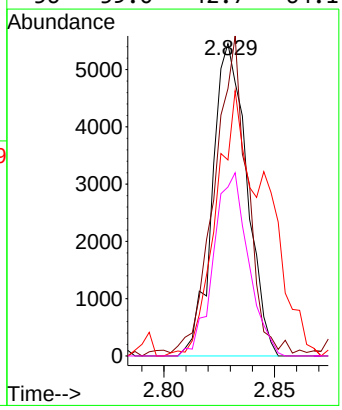


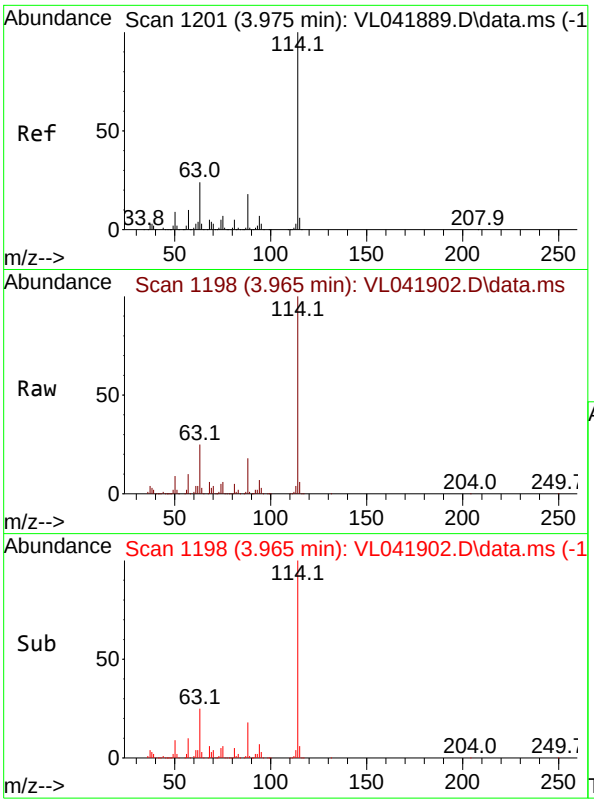


#26
Hexane
Concen: 0.339 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.007 min
Lab File: VL041902.D
Acq: 14 Jan 2025 21:14

Tgt Ion: 57 Resp: 5925

Ion	Ratio	Lower	Upper
57	100		
41	100.7	73.8	110.8
43	125.2	197.3	295.9#
56	59.0	42.7	64.1



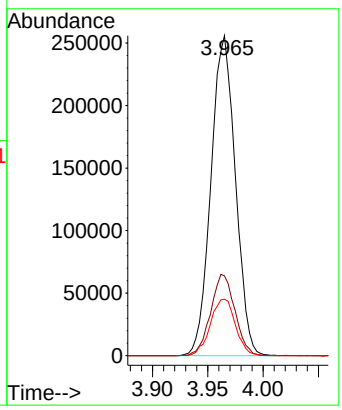


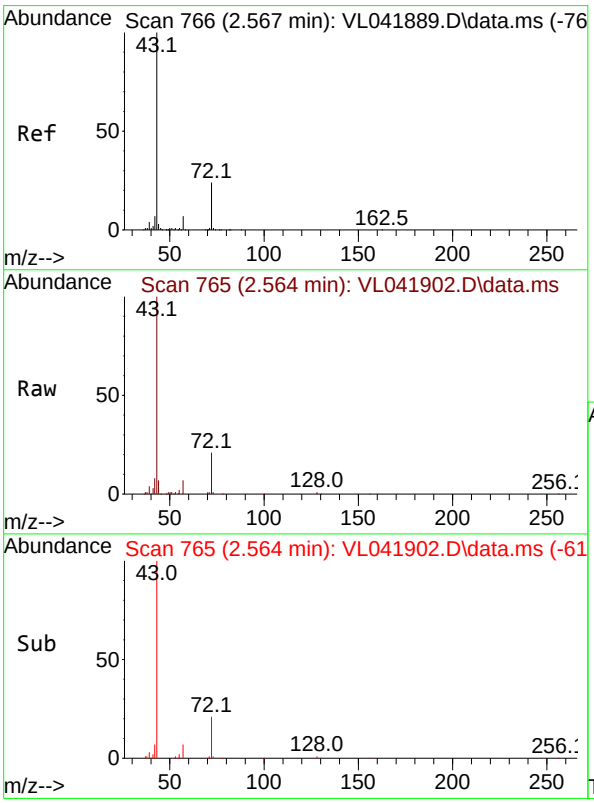
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1
Delta R.T. -0.010 min
Lab File: VL041902.D
Acq: 14 Jan 2025 21:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 393396

Ion	Ratio	Lower	Upper
114	100		
63	25.2	19.8	29.6
88	18.1	14.4	21.6

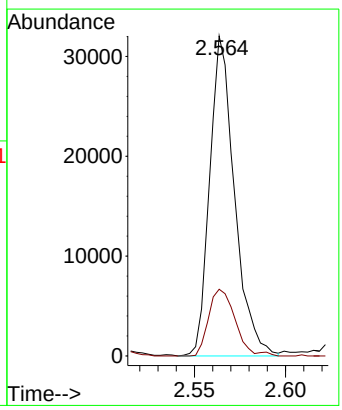


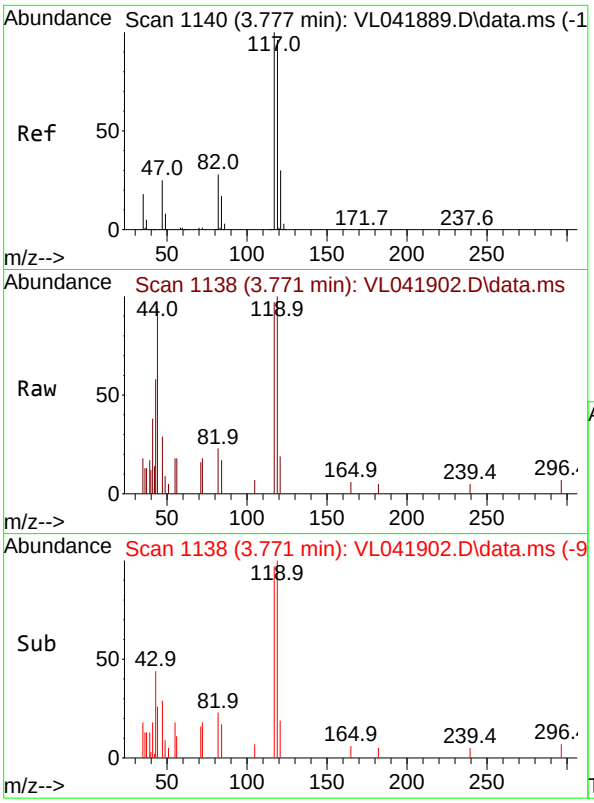


#34
2-Butanone
Concen: 1.215 ppbv
RT: 2.564 min Scan# 765
Delta R.T. -0.003 min
Lab File: VL041902.D
Acq: 14 Jan 2025 21:14

Tgt Ion: 43 Resp: 30406

Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.6	28.0



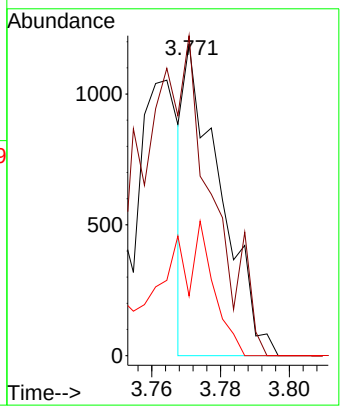


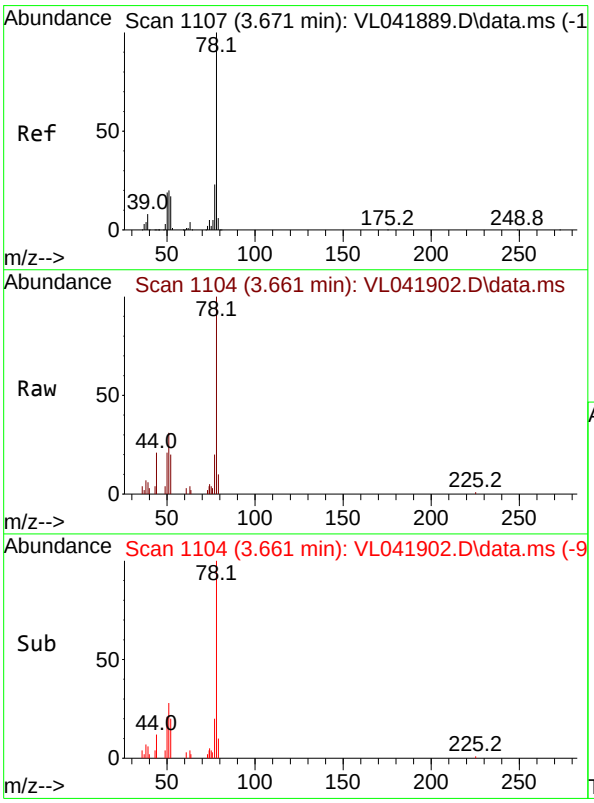
#35
Carbon Tetrachloride
Concen: 0.035 ppbv
RT: 3.771 min Scan# 1
Delta R.T. -0.006 min
Lab File: VL041902.D
Acq: 14 Jan 2025 21:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 861

Ion	Ratio	Lower	Upper
117	100		
119	102.6	76.9	115.3
121	19.1	23.8	35.6#

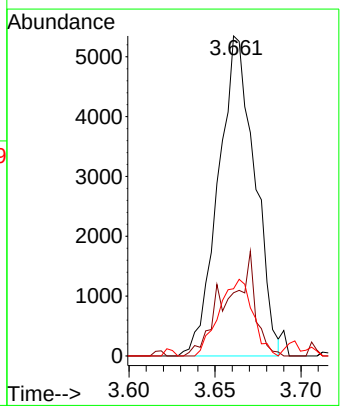


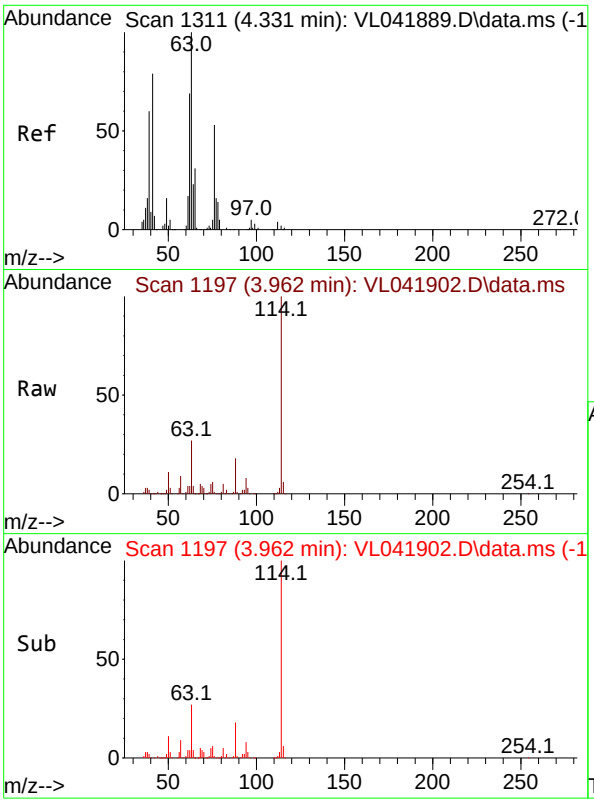


#36
Benzene
Concen: 0.218 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.010 min
Lab File: VL041902.D
Acq: 14 Jan 2025 21:14

Tgt Ion: 78 Resp: 7859

Ion	Ratio	Lower	Upper
78	100		
77	19.7	18.1	27.1
50	21.0	15.2	22.8



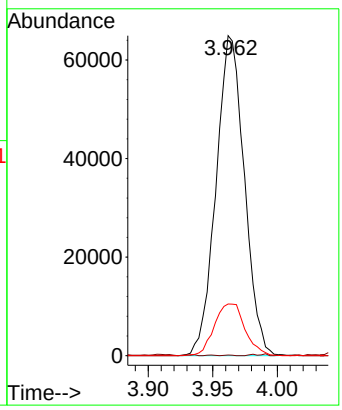


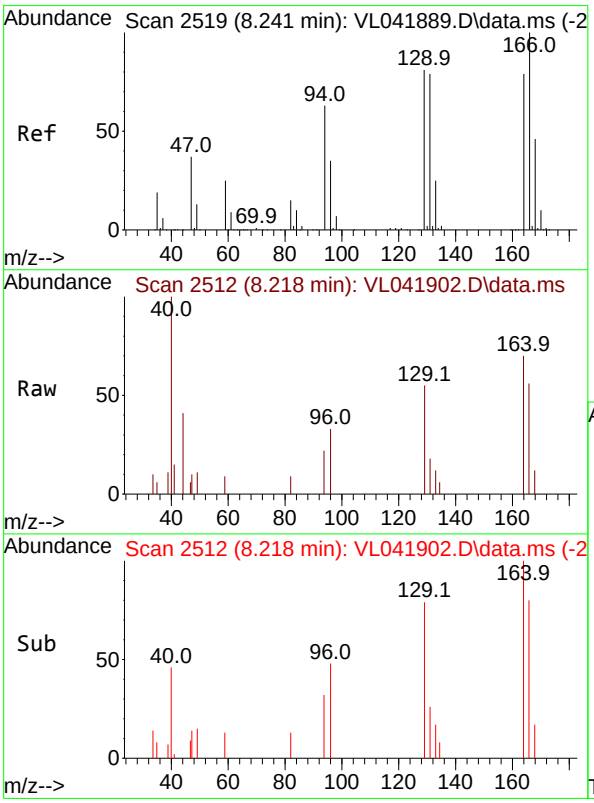
#39
1,2-Dichloropropane
Concen: 7.831 ppbv
RT: 3.962 min Scan# 1
Delta R.T. -0.369 min
Lab File: VL041902.D
Acq: 14 Jan 2025 21:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 99113

Ion	Ratio	Lower	Upper
63	100		
41	0.2	63.7	95.5#
62	16.1	55.4	83.2#

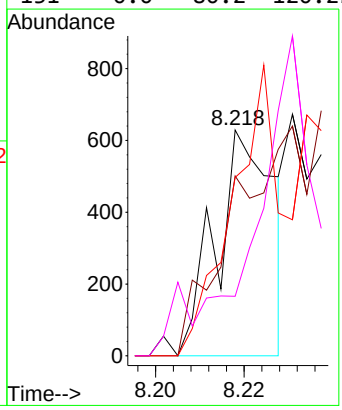


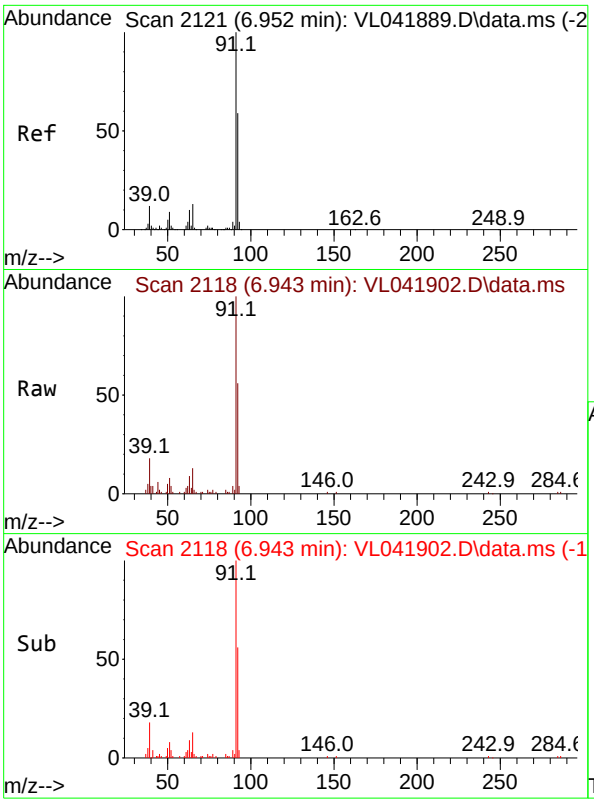


#52
Tetrachloroethene
Concen: 0.045 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.023 min
Lab File: VL041902.D
Acq: 14 Jan 2025 21:14

Tgt Ion:164 Resp: 560

Ion	Ratio	Lower	Upper
164	100		
166	79.7	100.8	151.2#
129	79.0	82.0	123.0#
131	0.0	80.2	120.2#



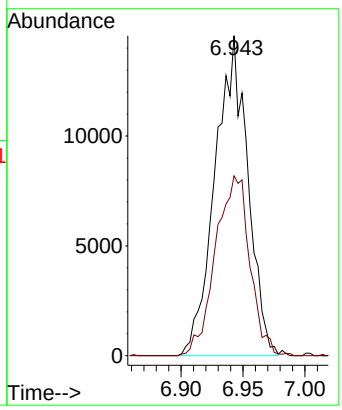


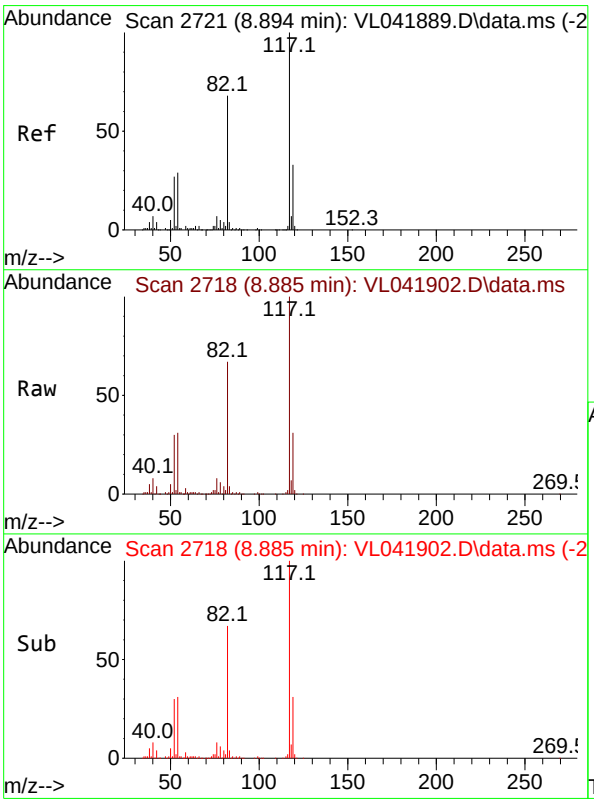
#53
Toluene
Concen: 0.681 ppbv
RT: 6.943 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL041902.D
Acq: 14 Jan 2025 21:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 26752

Ion	Ratio	Lower	Upper
91	100		
92	59.1	47.4	71.0

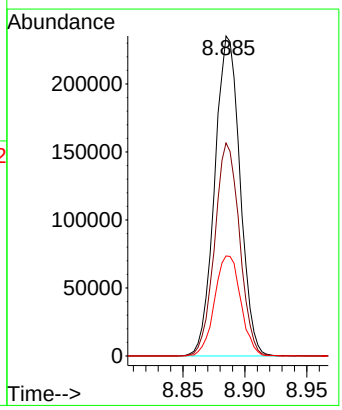


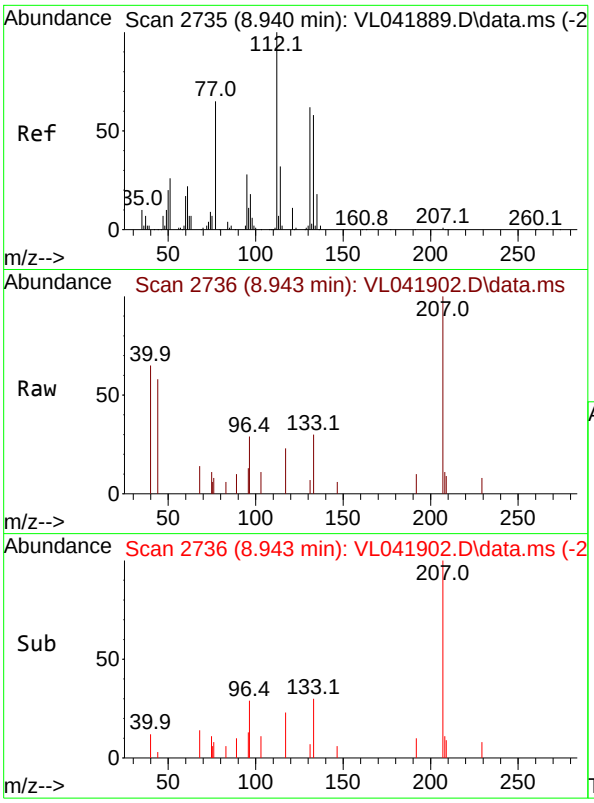


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. -0.010 min
Lab File: VL041902.D
Acq: 14 Jan 2025 21:14

Tgt Ion:117 Resp: 334705

Ion	Ratio	Lower	Upper
117	100		
82	65.4	54.2	81.4
119	32.3	25.0	37.6



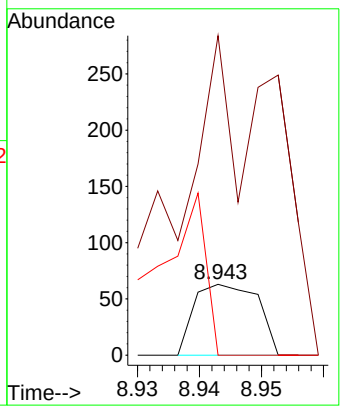


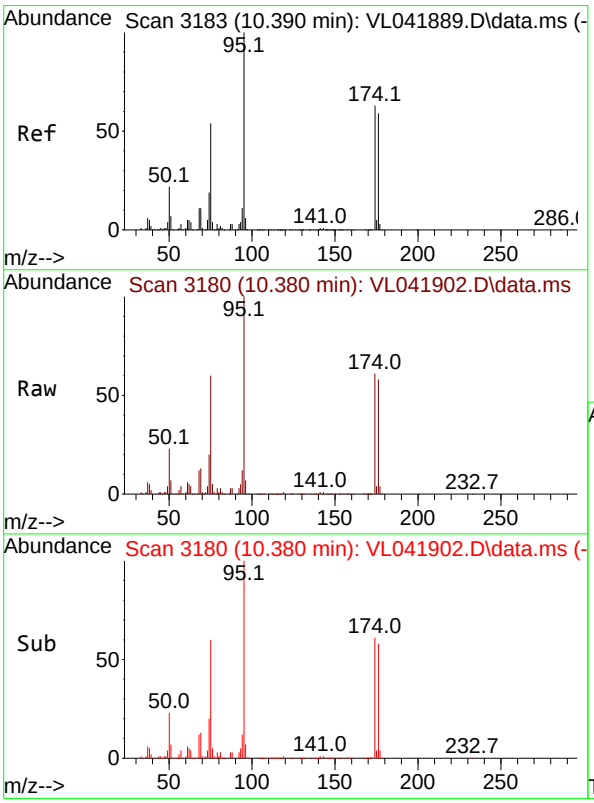
#56
1,1,1,2-Tetrachloroethane
Concen: 0.003 ppbv
RT: 8.943 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL041902.D
Acq: 14 Jan 2025 21:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:131 Resp: 45

Ion	Ratio	Lower	Upper
131	100		
133	695.6	76.0	114.0#
119	240428.9	49.7	74.5#

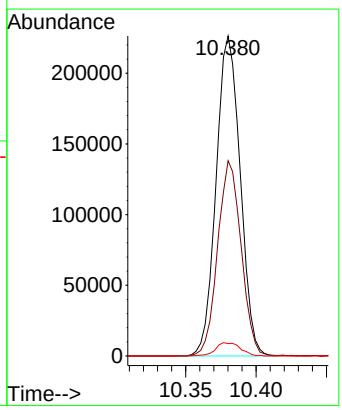


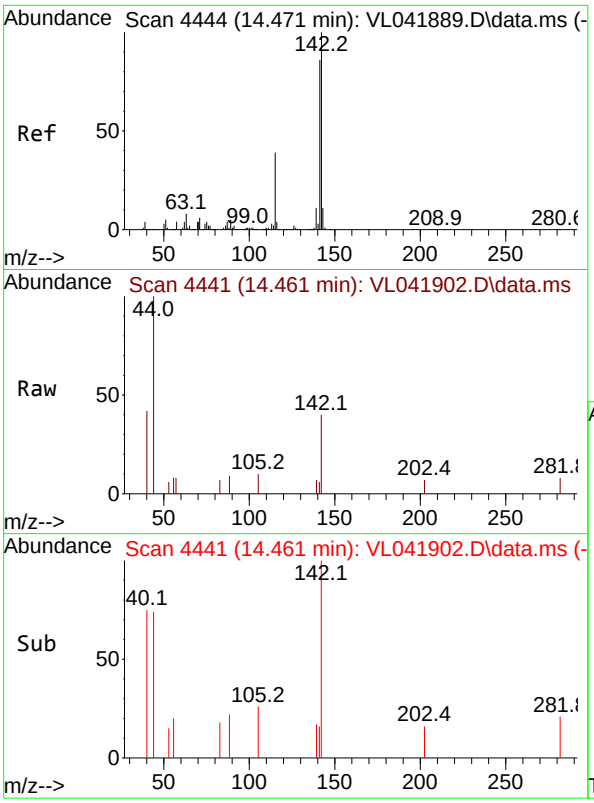


#68
1-Bromo-4-Fluorobenzene
Concen: 10.228 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. -0.010 min
Lab File: VL041902.D
Acq: 14 Jan 2025 21:14

Tgt Ion: 95 Resp: 269632

Ion	Ratio	Lower	Upper
95	100		
174	59.6	49.0	73.4
175	4.3	3.8	5.8





#80
Naphthalene,2-methyl-
Concen: 0.017 ppbv
RT: 14.461 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL041902.D
Acq: 14 Jan 2025 21:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:142 Resp: 389

Ion	Ratio	Lower	Upper
142	100		
141	32.1	68.1	102.1#
115	33.4	31.7	47.5