Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042376.D
Acq On : 18 Apr 2025 01:30
Operator : SY/MD
Sample : Q1726-01DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL

Quant Time: Apr 18 04:39:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	100356	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.959	114	288404	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.882	117	249449	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.377	95	207163	10.106	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	930	0.052	ppbv		100
3) Chlorodifluoromethane	1.466	51	3123	0.185	ppbv	#	67
4) Chloromethane	1.534	50	634	0.090	ppbv	#	70
9) Propene	1.560	41	3637	0.473	ppbv		90
10) Heptane	4.978	43	10406	0.482	ppbv		91
13) Ethanol	1.722	45	20340	16.643	ppbv		80
15) Acetone	1.835	43	516180	31.420	ppbv		98
16) 1,3-Butadiene	1.622	39	1757	0.224	ppbv	#	19
17) tert-Butyl alcohol	2.046	59	728	0.036	ppbv	#	1
19) Isopropyl Alcohol	1.887	45	16398	1.797	ppbv	#	1
20) Methylene Chloride	2.062	84	4276	0.665	ppbv	#	77
23) Vinyl Acetate	2.454	43	1065	0.160	ppbv	#	1
25) Ethyl Acetate	2.826	43	6629	0.164	ppbv	#	83
26) Hexane	2.826	57	8480	0.517	ppbv	#	34
30) Cyclohexane	3.855	84	856	0.065	ppbv	#	1
34) 2-Butanone	2.564	43	1784	0.078	ppbv		93
36) Benzene	3.658	78	3080	0.099	ppbv	#	62
39) 1,2-Dichloropropane	3.955	63	76957	6.639	ppbv	#	21
44) 2,2,4-Trimethylpentane	4.641	57	54714	1.018	ppbv		94
53) Toluene	6.930	91	107299	2.874	ppbv		98
58) Ethyl Benzene	9.354	91	29882	0.605	ppbv		94
59) m/p-Xylene	9.529	91	88263	2.217	ppbv		99
60) o-Xylene	9.963	91	34430	0.859	ppbv		97
62) Isopropylbenzene	10.542	105	3486	0.059	ppbv		94
64) n-propylbenzene	10.992	120	2336	0.158	ppbv		75
65) tert-Butylbenzene	11.536	119	5490	0.101	ppbv	#	61
66) Benzyl Chloride	11.539	91	6956	1.170	ppbv	#	70
71) 2-Chlorotoluene	10.901	91	2632	0.057	ppbv		94
72) 4-Ethyltoluene	11.128	105	15927	0.325	ppbv	#	56
73) 1,3,5-Trimethylbenzene	11.205	105	16220	0.375	ppbv		95
74) 1,2,4-Trimethylbenzene	11.536	105	57208	1.132	ppbv	#	60
79) Naphthalene	13.516	128	4610	0.076	ppbv	#	94

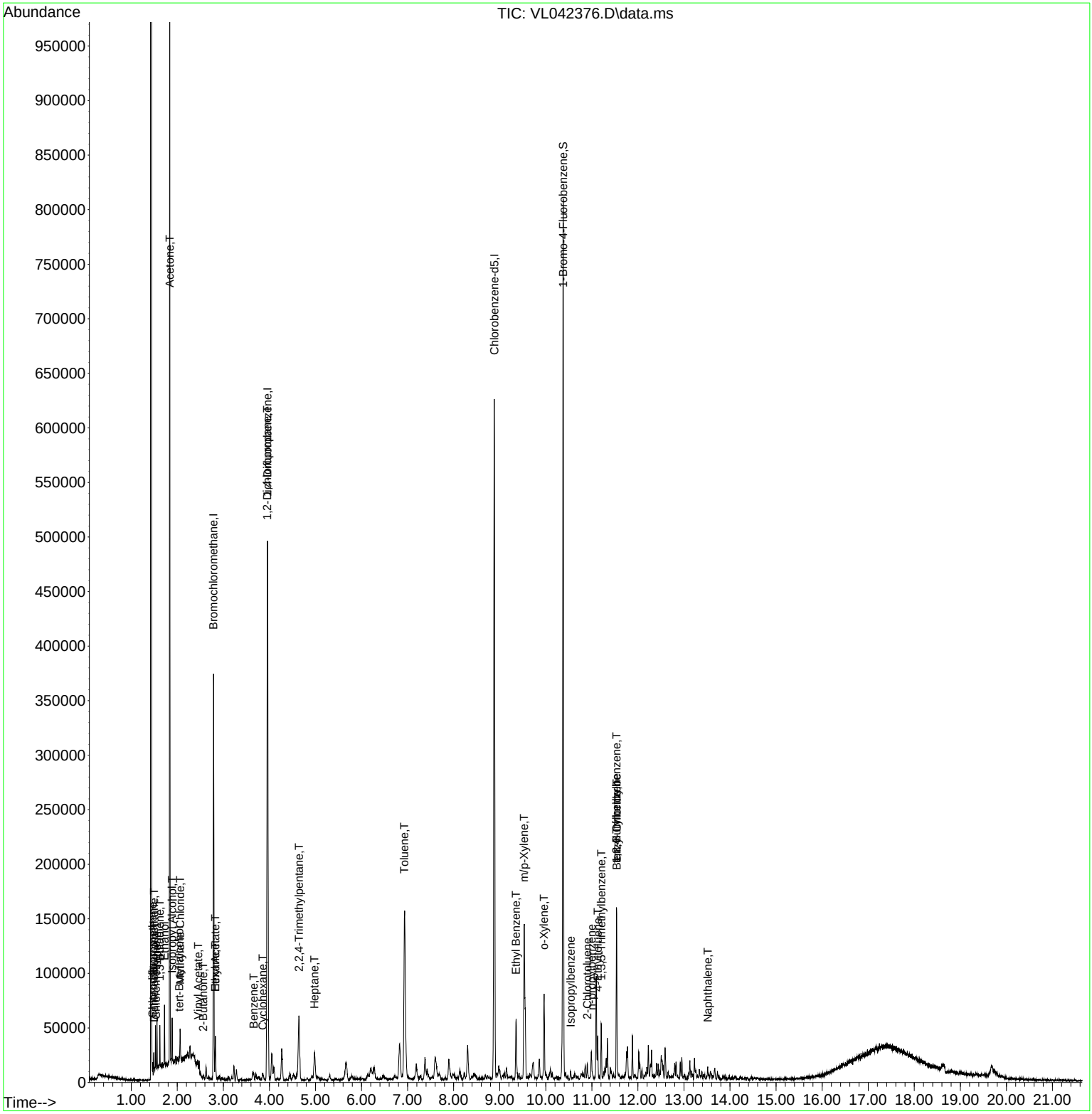
(#) = qualifier out of range (m) = manual integration (+) = signals summed

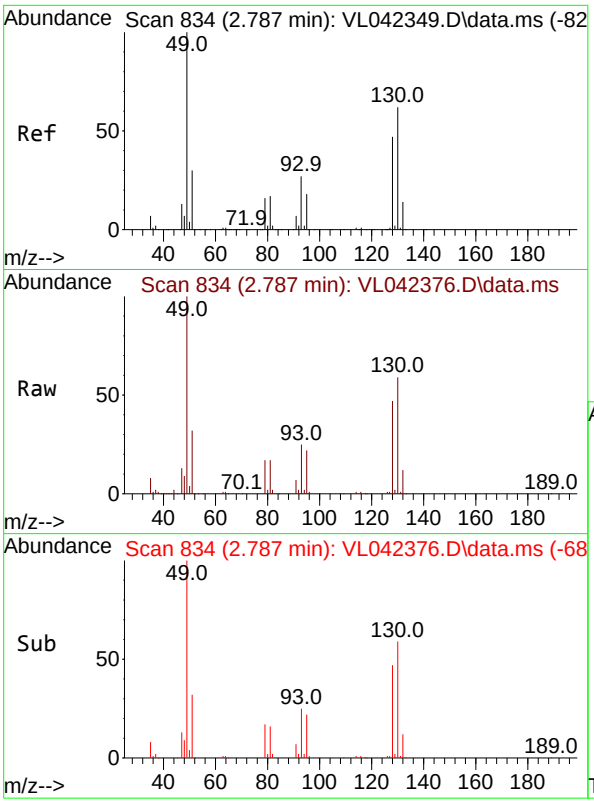
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042376.D
Acq On : 18 Apr 2025 01:30
Operator : SY/MD
Sample : Q1726-01DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL

Quant Time: Apr 18 04:39:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration



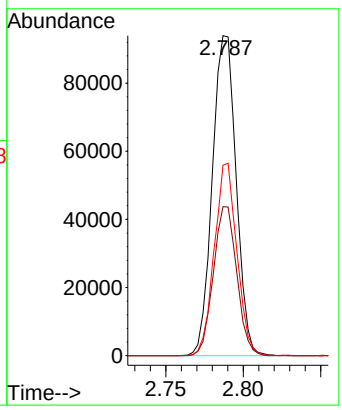


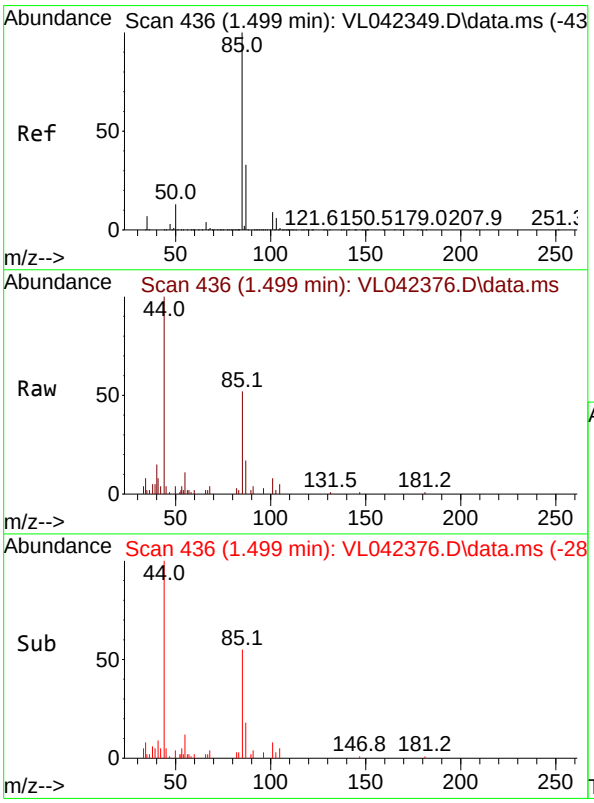
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL

Tgt Ion: 49 Resp: 100356

Ion	Ratio	Lower	Upper
49	100		
128	45.8	22.8	68.4
130	57.1	29.3	88.0

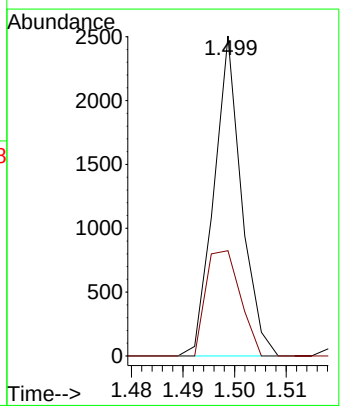


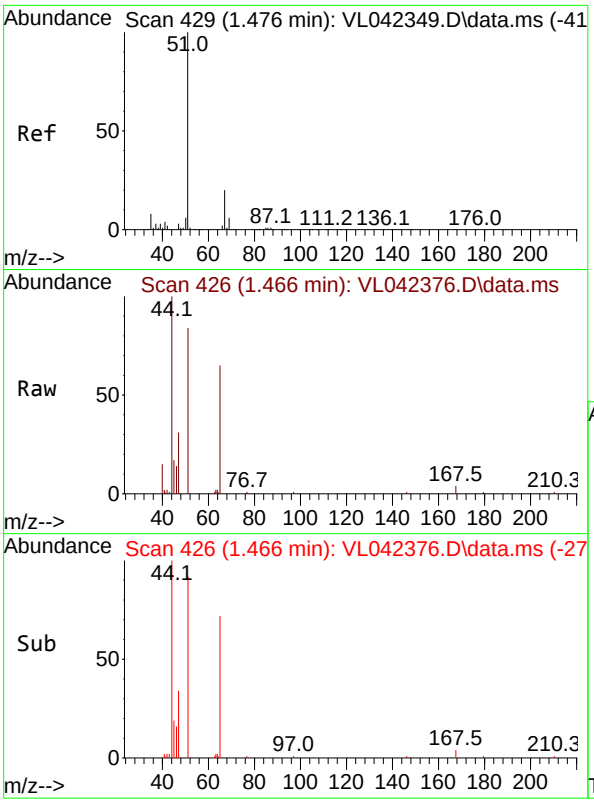


#2
Dichlorodifluoromethane
Concen: 0.052 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Tgt Ion: 85 Resp: 930

Ion	Ratio	Lower	Upper
85	100		
87	32.9	26.6	39.8



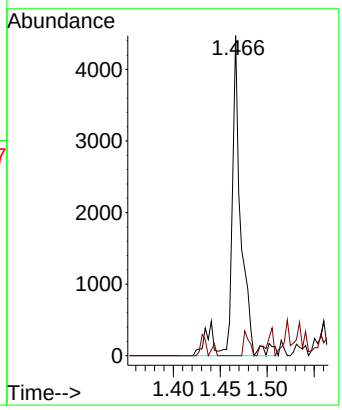


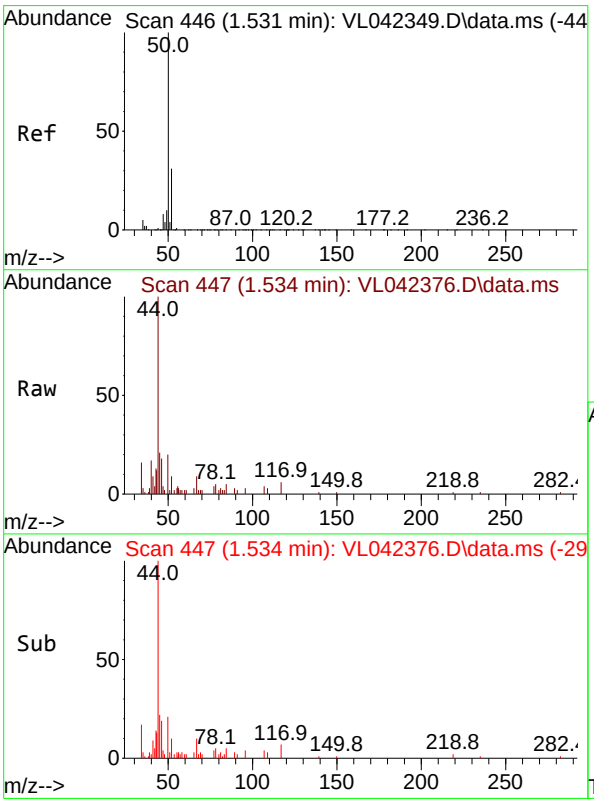
#3
Chlorodifluoromethane
Concen: 0.185 ppbv
RT: 1.466 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL

Tgt Ion: 51 Resp: 3123

Ion	Ratio	Lower	Upper
51	100		
67	5.1	16.2	24.4#

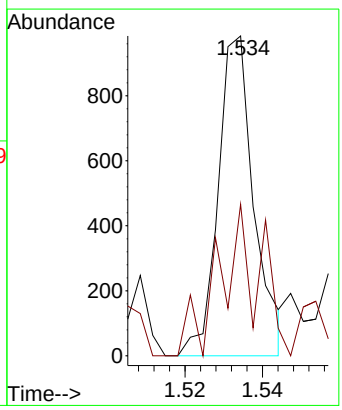


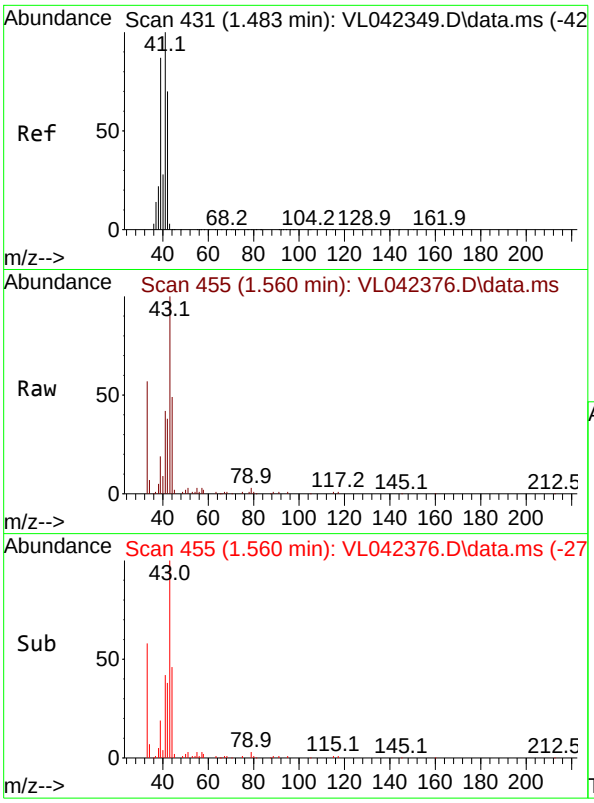


#4
Chloromethane
Concen: 0.090 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Tgt Ion: 50 Resp: 634

Ion	Ratio	Lower	Upper
50	100		
52	47.4	24.7	37.1#



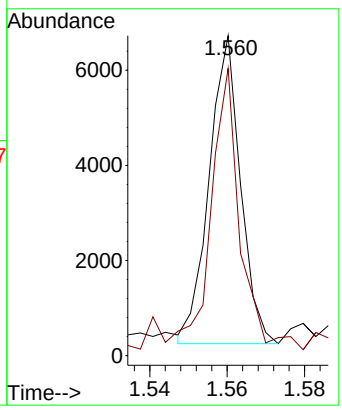


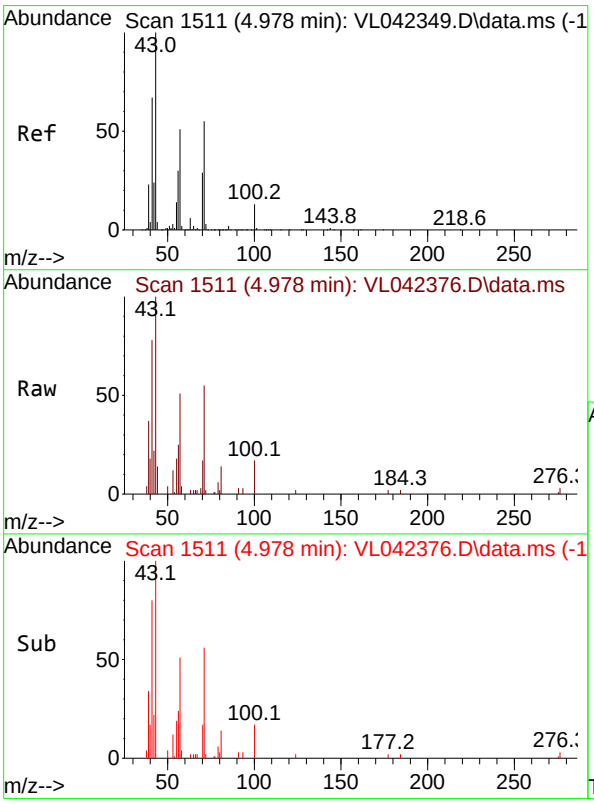
#9
Propene
Concen: 0.473 ppbv
RT: 1.560 min Scan# 4
Delta R.T. 0.078 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL

Tgt Ion: 41 Resp: 3637

Ion	Ratio	Lower	Upper
41	100		
42	78.5	56.2	84.4

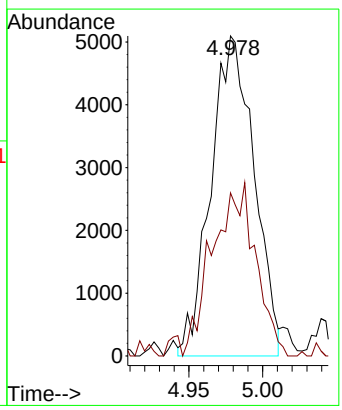


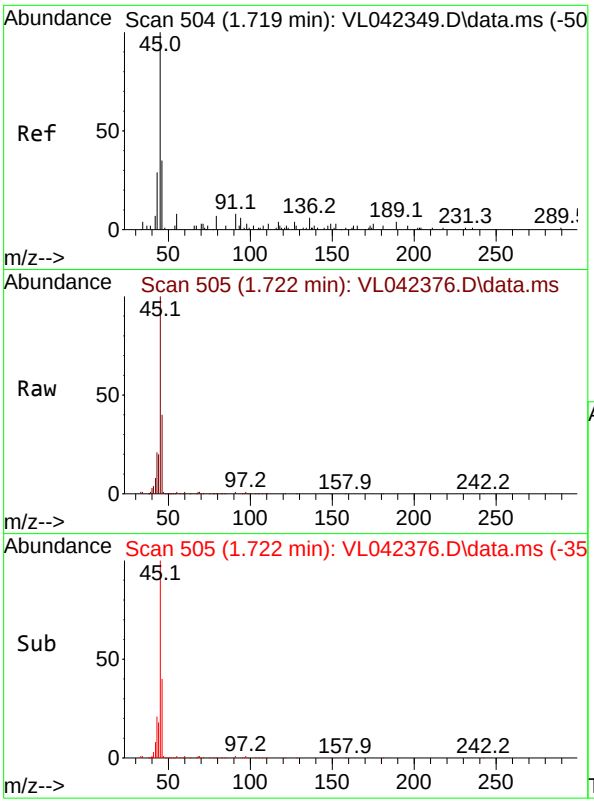


#10
Heptane
Concen: 0.482 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Tgt Ion: 43 Resp: 10406

Ion	Ratio	Lower	Upper
43	100		
57	56.4	39.9	59.9



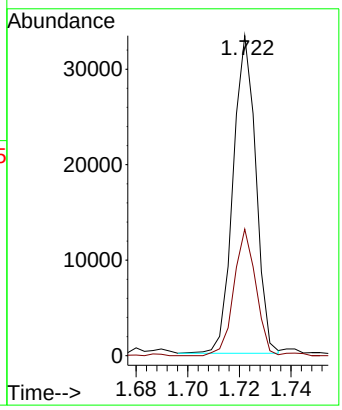


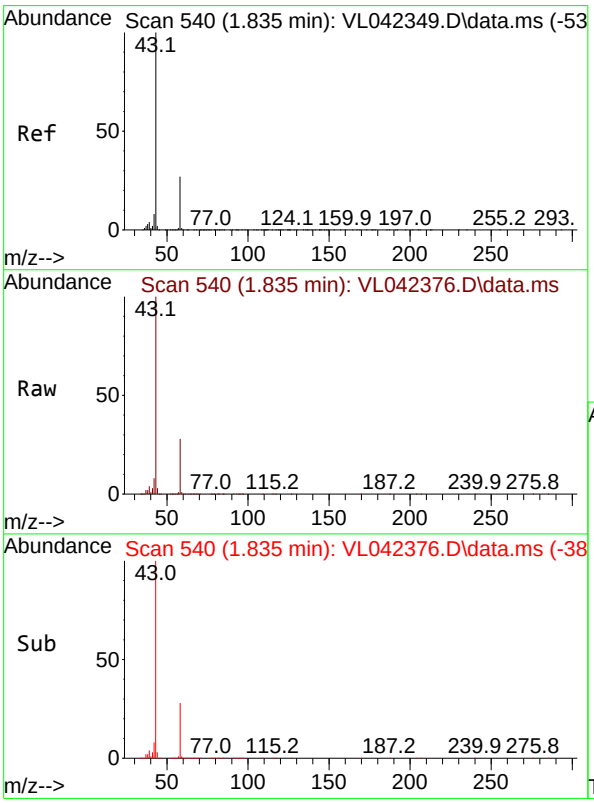
#13
Ethanol
Concen: 16.643 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL

Tgt Ion: 45 Resp: 20340

Ion	Ratio	Lower	Upper
45	100		
46	40.5	21.9	87.7

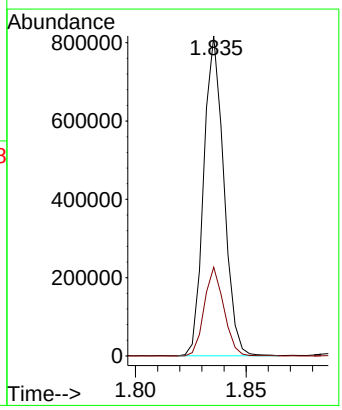


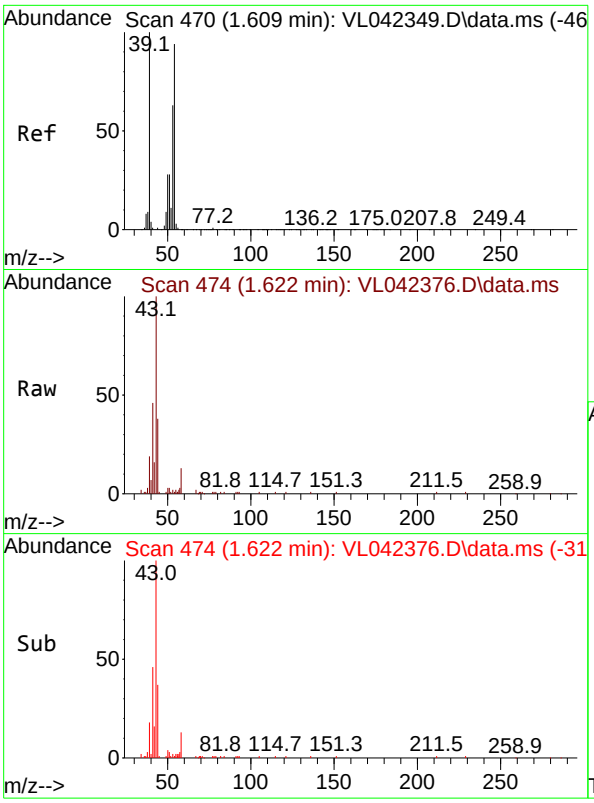


#15
Acetone
Concen: 31.420 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Tgt Ion: 43 Resp: 516180

Ion	Ratio	Lower	Upper
43	100		
58	27.1	22.4	33.6



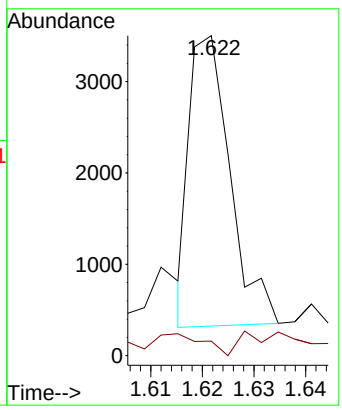


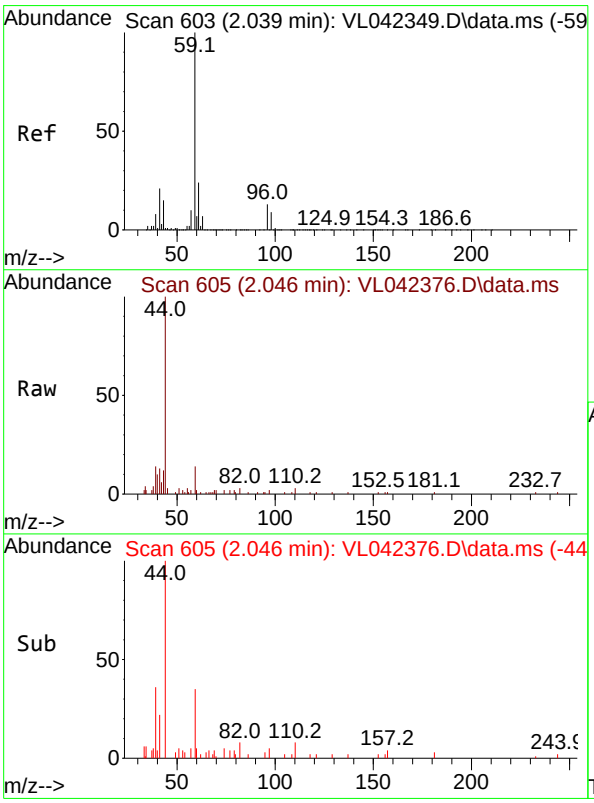
#16
1,3-Butadiene
Concen: 0.224 ppbv
RT: 1.622 min Scan# 4
Delta R.T. 0.013 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL

Tgt Ion: 39 Resp: 1757

Ion	Ratio	Lower	Upper
39	100		
54	9.4	64.9	97.3#

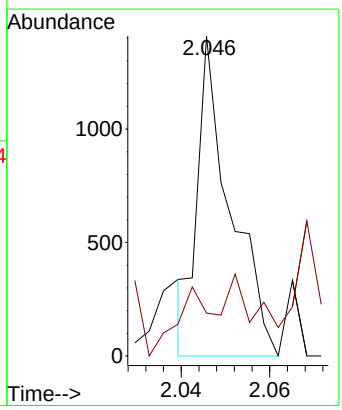


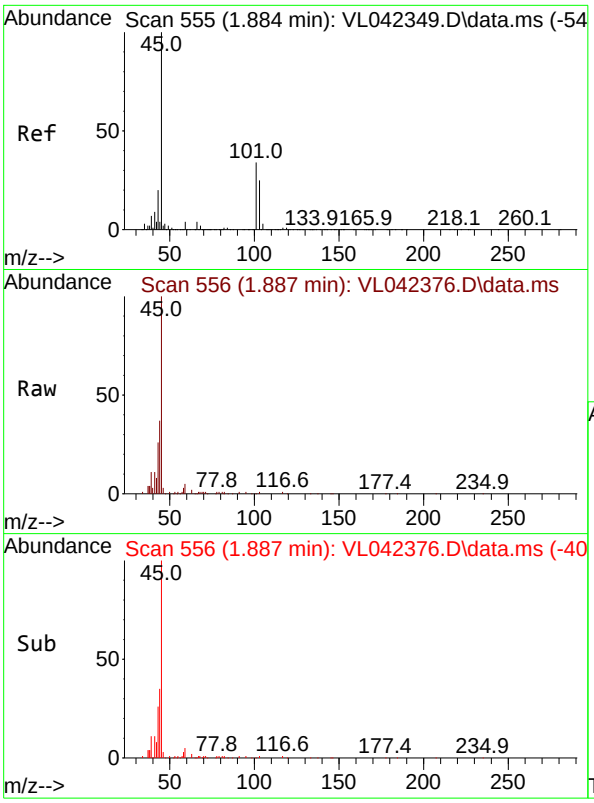


#17
tert-Butyl alcohol
Concen: 0.036 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.006 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Tgt Ion: 59 Resp: 728

Ion	Ratio	Lower	Upper
59	100		
57	103.0	8.7	13.1#



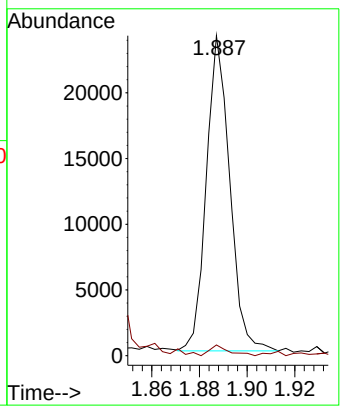


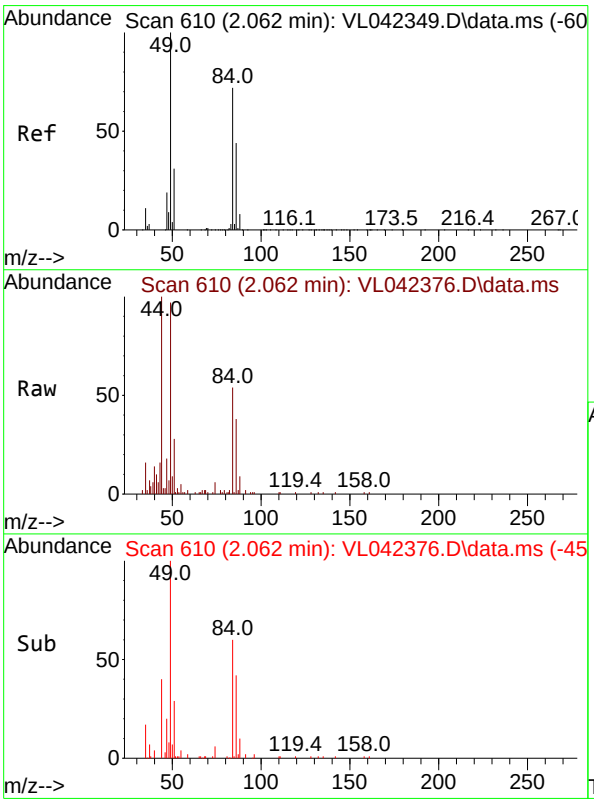
#19
Isopropyl Alcohol
Concen: 1.797 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL

Tgt Ion: 45 Resp: 16398

Ion	Ratio	Lower	Upper
45	100		
58	851.7	34.5	51.7#

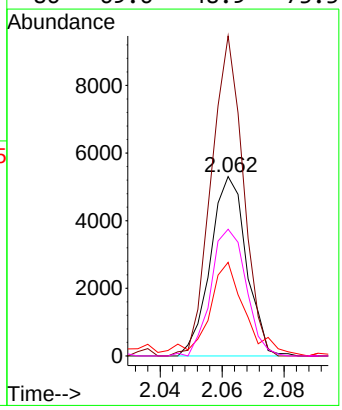


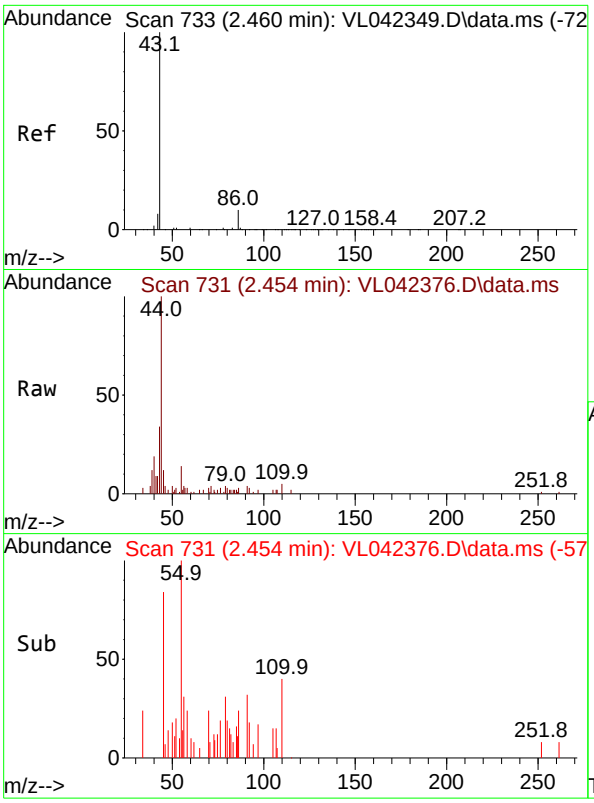


#20
Methylene Chloride
Concen: 0.665 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Tgt Ion: 84 Resp: 4276

Ion	Ratio	Lower	Upper
84	100		
49	178.4	111.6	167.4#
51	49.6	35.1	52.7
86	69.6	48.9	73.3



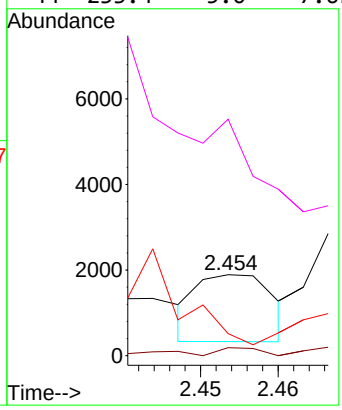


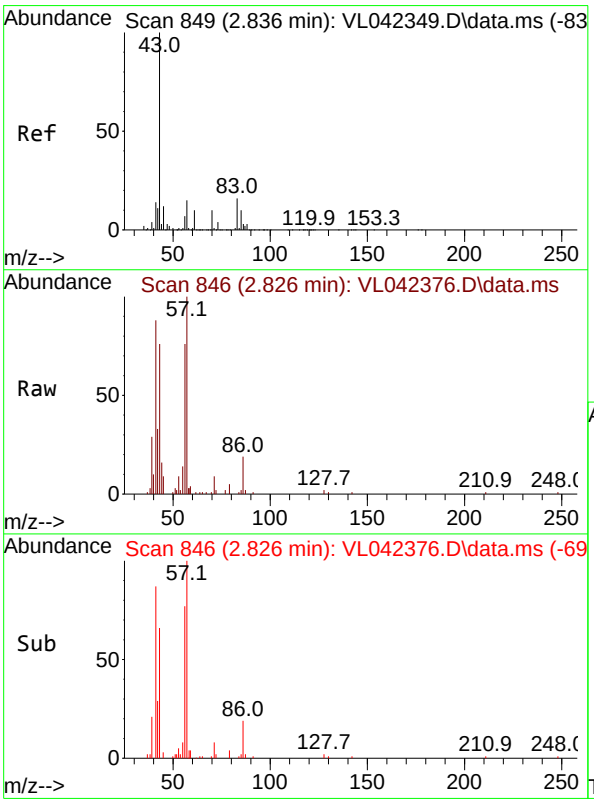
#23
Vinyl Acetate
Concen: 0.160 ppbv
RT: 2.454 min Scan# 7
Delta R.T. -0.007 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL

Tgt Ion: 43 Resp: 1065

Ion	Ratio	Lower	Upper
43	100		
86	26.6	6.5	9.7#
42	0.0	7.8	11.8#
44	233.4	5.0	7.6#

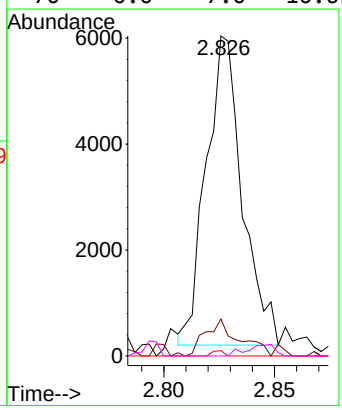


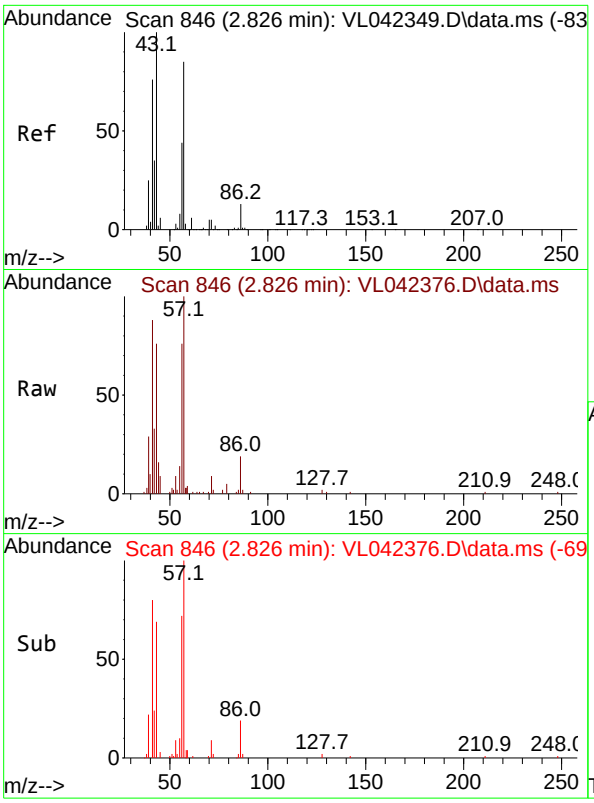


#25
Ethyl Acetate
Concen: 0.164 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.010 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Tgt Ion: 43 Resp: 6629

Ion	Ratio	Lower	Upper
43	100		
45	12.4	8.3	12.5
61	0.6	7.3	10.9#
70	0.0	7.0	10.6#



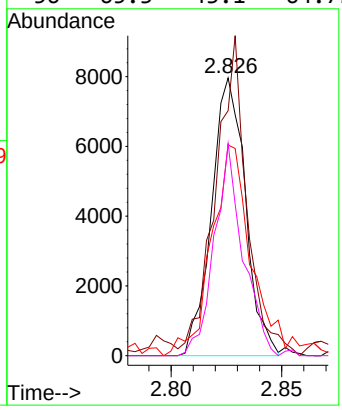


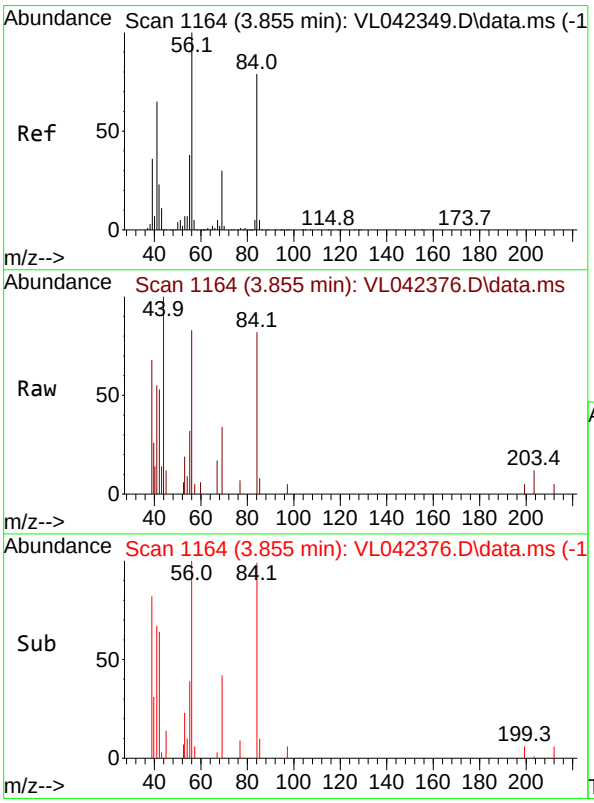
#26
Hexane
Concen: 0.517 ppbv
RT: 2.826 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL

Tgt Ion: 57 Resp: 8480

Ion	Ratio	Lower	Upper
57	100		
41	104.3	77.9	116.9
43	84.6	208.4	312.6#
56	65.3	43.1	64.7#

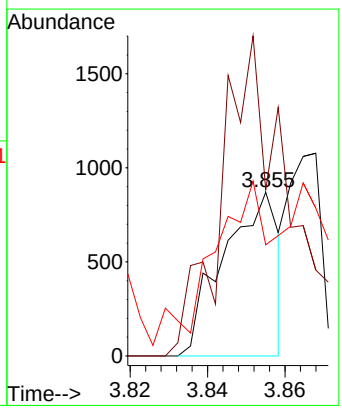


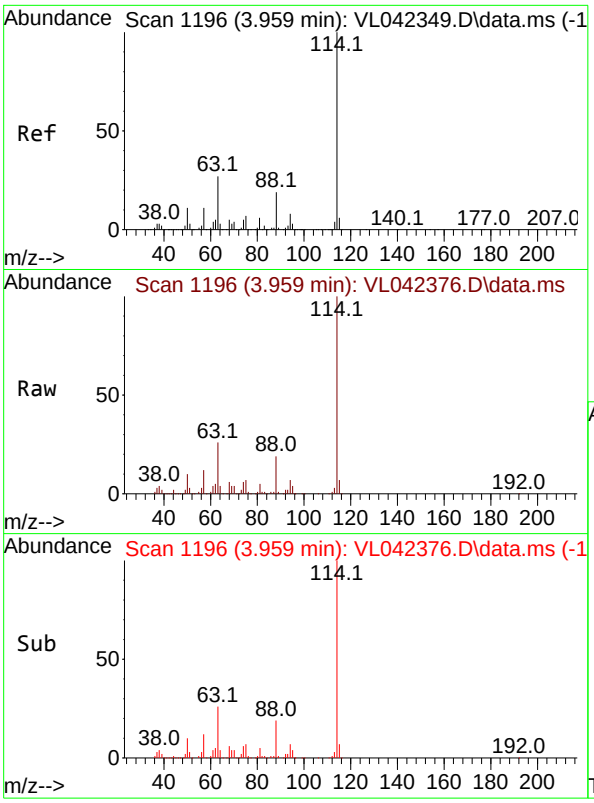


#30
Cyclohexane
Concen: 0.065 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. -0.000 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Tgt Ion: 84 Resp: 856

Ion	Ratio	Lower	Upper
84	100		
56	255.0	101.0	151.4#
41	229.6	67.4	101.0#



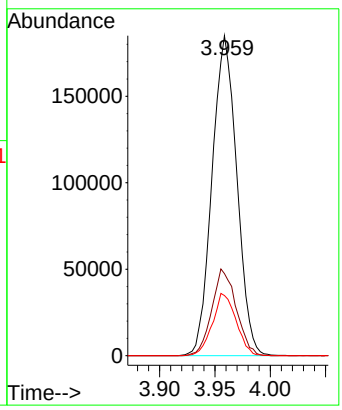


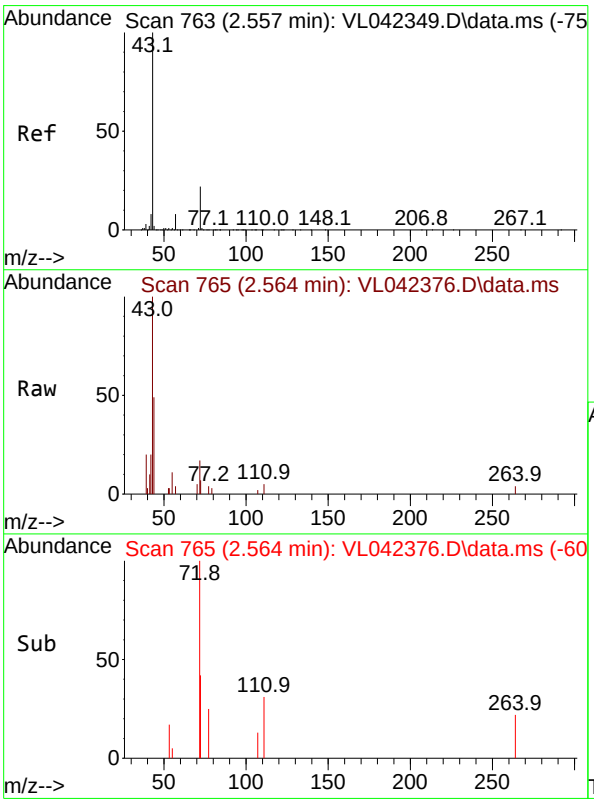
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL

Tgt Ion:114 Resp: 288404

Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.8	32.6
88	18.6	15.5	23.3

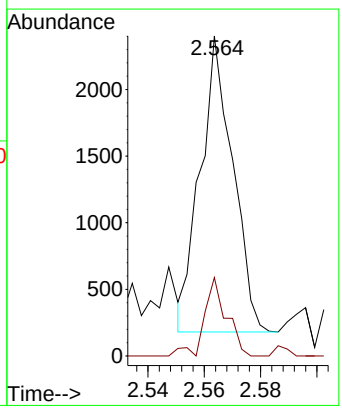


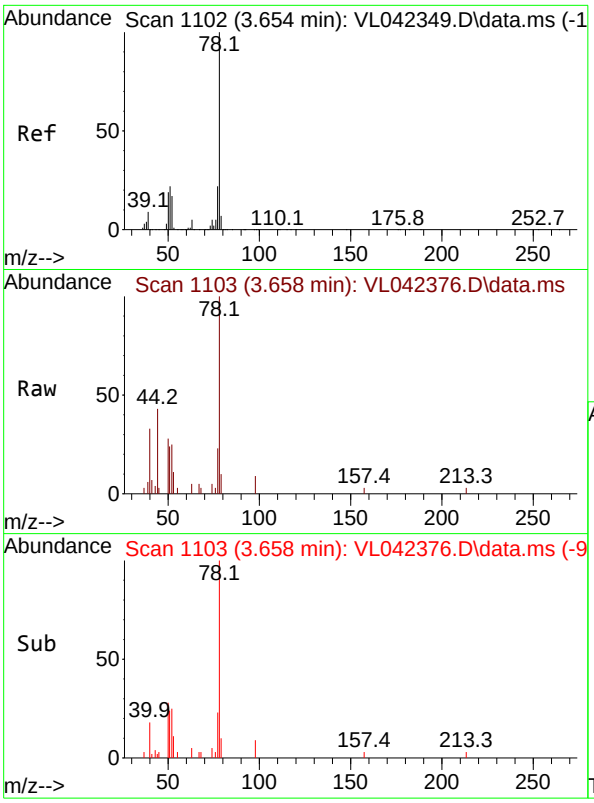


#34
2-Butanone
Concen: 0.078 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.006 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Tgt Ion: 43 Resp: 1784

Ion	Ratio	Lower	Upper
43	100		
72	19.5	18.2	27.2



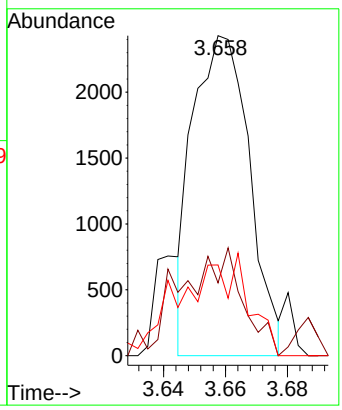


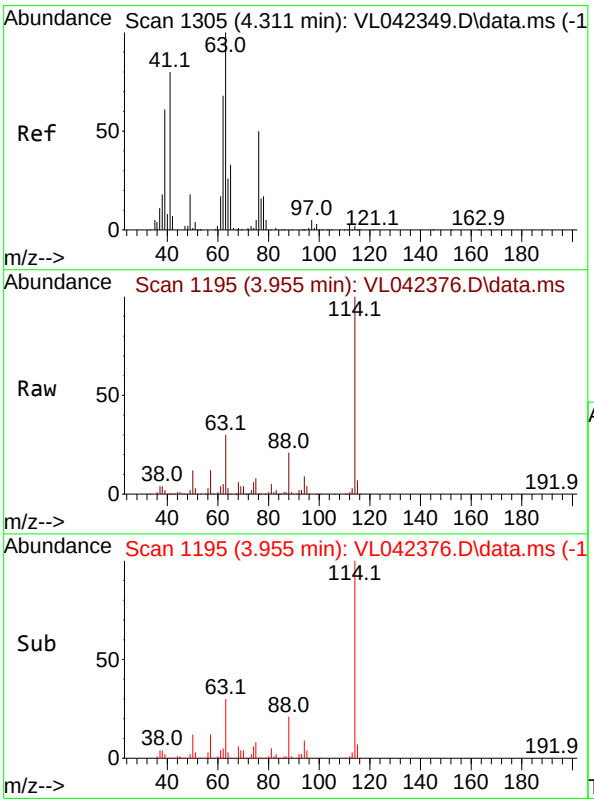
#36
Benzene
Concen: 0.099 ppbv
RT: 3.658 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL

Tgt Ion: 78 Resp: 3080

Ion	Ratio	Lower	Upper
78	100		
77	25.5	17.4	26.0
50	52.0	15.5	23.3#

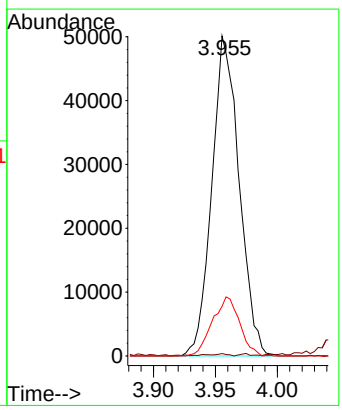


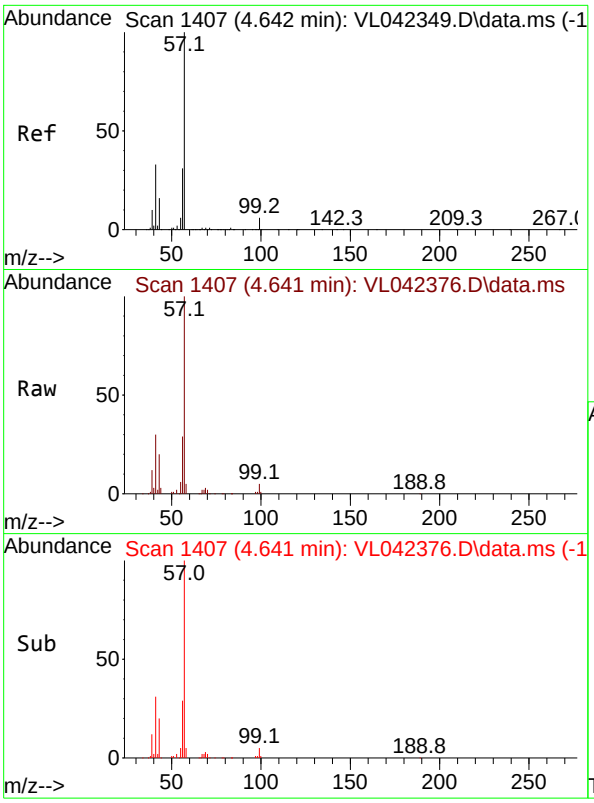


#39
1,2-Dichloropropane
Concen: 6.639 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.356 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Tgt Ion: 63 Resp: 76957

Ion	Ratio	Lower	Upper
63	100		
41	0.5	64.2	96.2#
62	15.5	54.3	81.5#



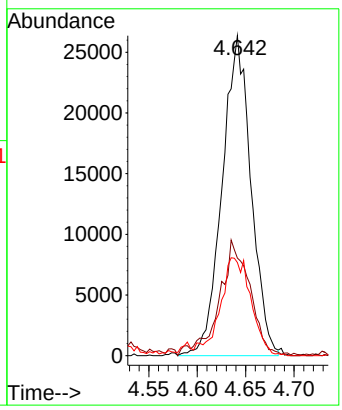


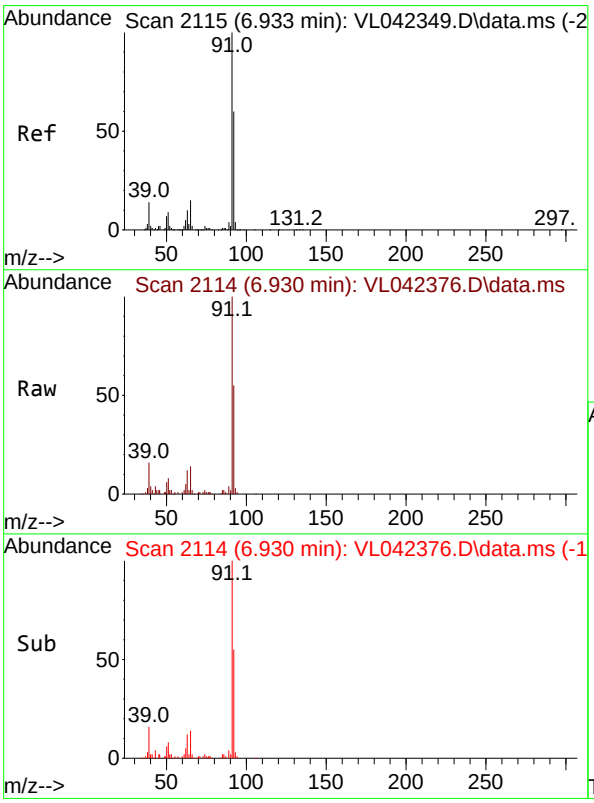
#44
2,2,4-Trimethylpentane
Concen: 1.018 ppbv
RT: 4.641 min Scan# 14
Delta R.T. -0.000 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL

Tgt Ion: 57 Resp: 54714

Ion	Ratio	Lower	Upper
57	100		
41	38.6	27.2	40.8
56	34.7	25.7	38.5

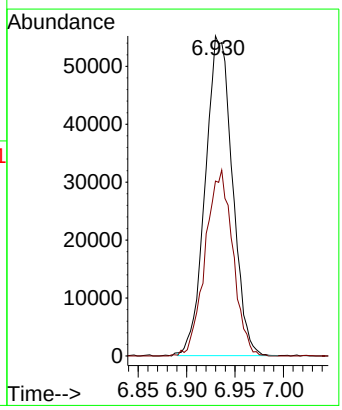


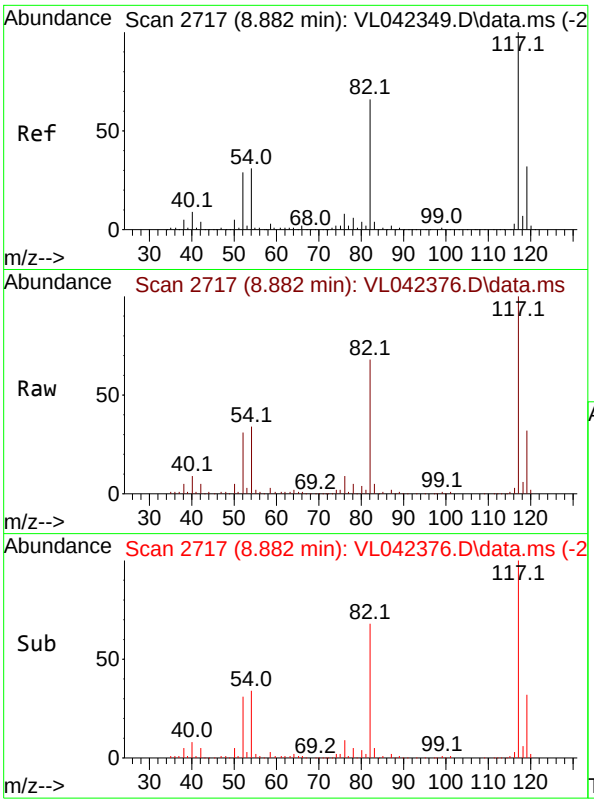


#53
Toluene
Concen: 2.874 ppbv
RT: 6.930 min Scan# 2114
Delta R.T. -0.003 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Tgt Ion: 91 Resp: 107299

Ion	Ratio	Lower	Upper
91	100		
92	59.1	48.2	72.4



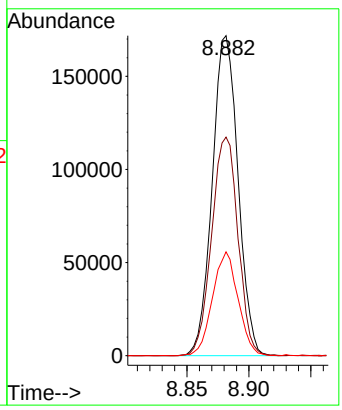


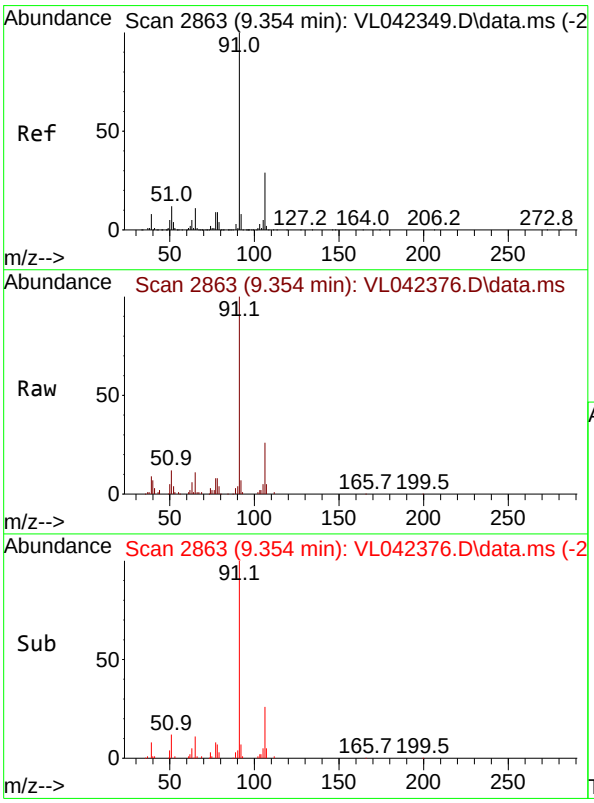
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL

Tgt Ion:117 Resp: 249449

Ion	Ratio	Lower	Upper
117	100		
82	69.7	57.8	86.6
119	32.2	25.2	37.8

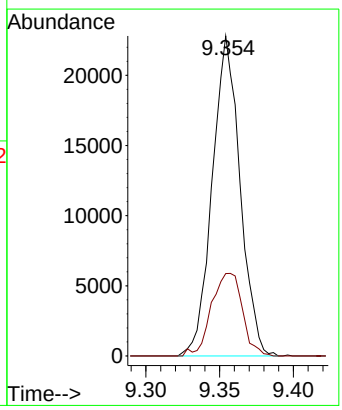


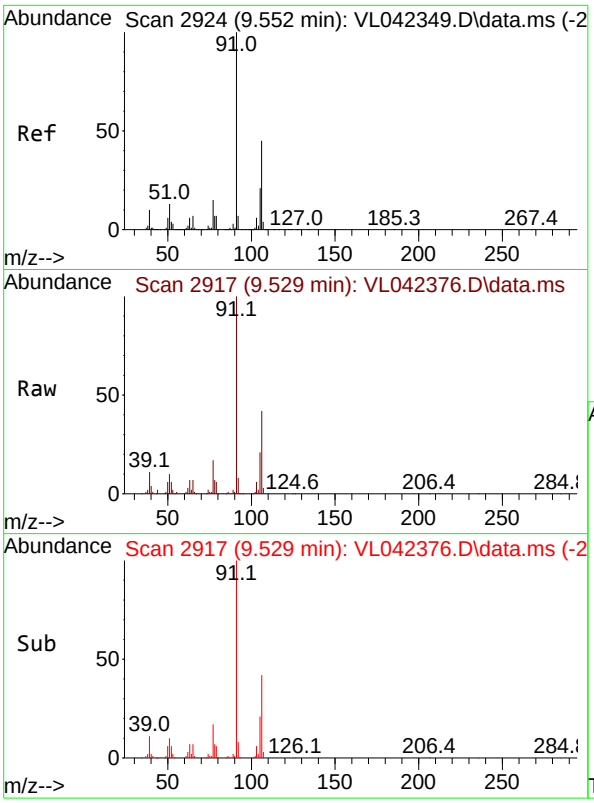


#58
Ethyl Benzene
Concen: 0.605 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.000 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Tgt Ion: 91 Resp: 29882

Ion	Ratio	Lower	Upper
91	100		
106	25.8	23.0	34.4



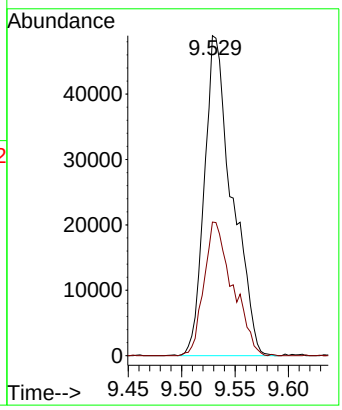


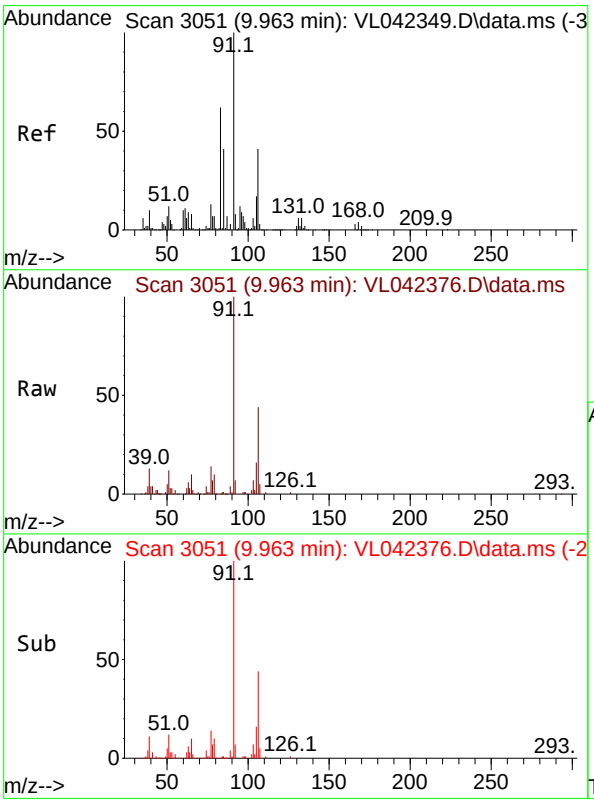
#59
m/p-Xylene
Concen: 2.217 ppbv
RT: 9.529 min Scan# 2
Delta R.T. -0.023 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL

Tgt Ion: 91 Resp: 88263

Ion	Ratio	Lower	Upper
91	100		
106	43.4	35.4	53.2

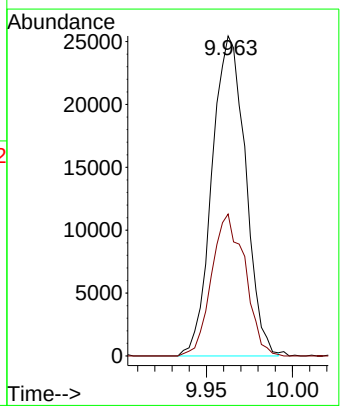


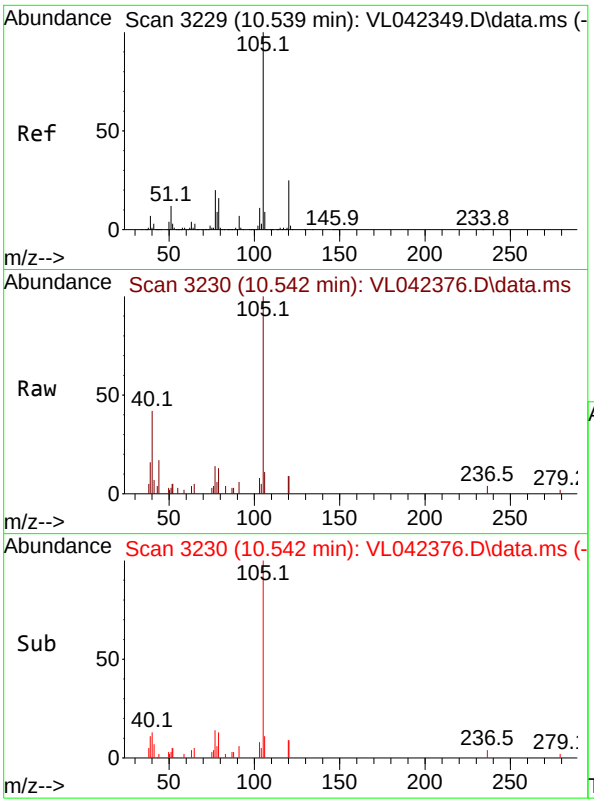


#60
o-Xylene
Concen: 0.859 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.000 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Tgt Ion: 91 Resp: 34430

Ion	Ratio	Lower	Upper
91	100		
106	44.3	21.1	63.4



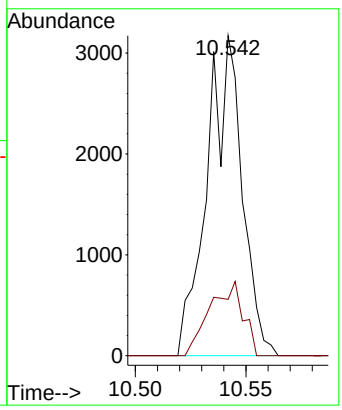


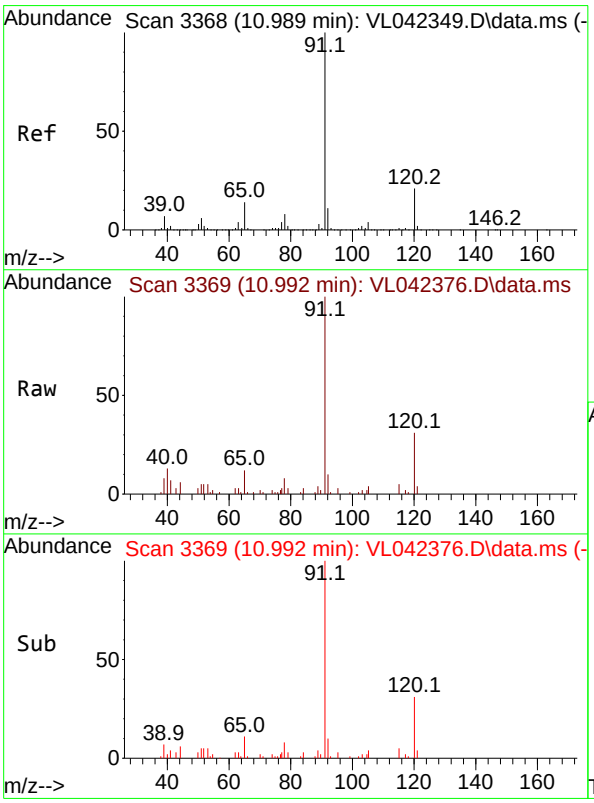
#62
Isopropylbenzene
Concen: 0.059 ppbv
RT: 10.542 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL

Tgt Ion:105 Resp: 3486

Ion	Ratio	Lower	Upper
105	100		
120	22.0	19.8	29.8

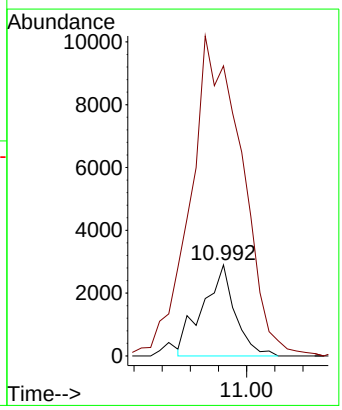


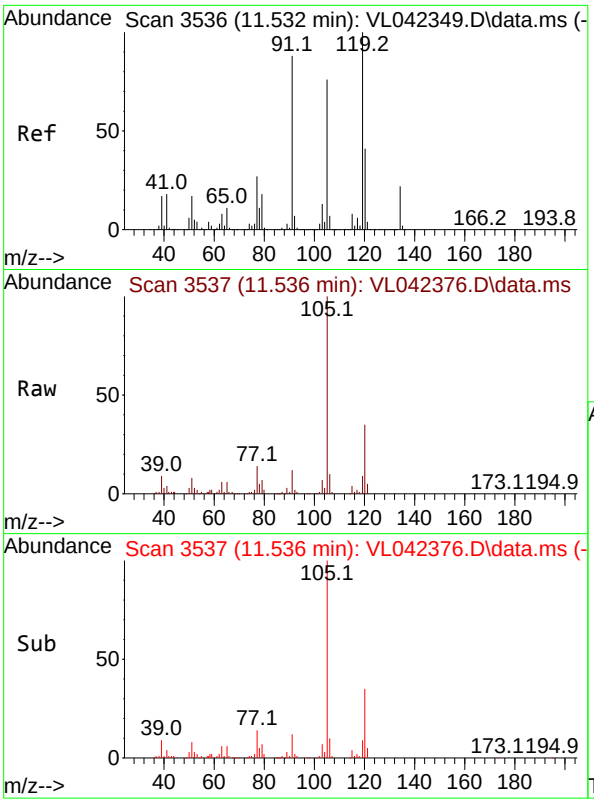


#64
n-propylbenzene
Concen: 0.158 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.003 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Tgt Ion:120 Resp: 2336

Ion	Ratio	Lower	Upper
120	100		
91	559.2	392.4	588.6



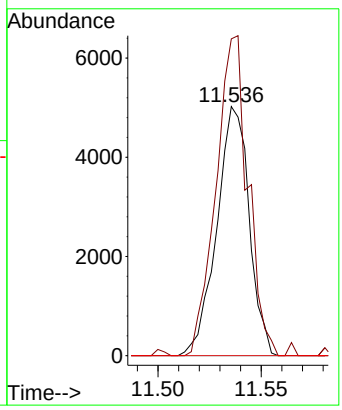


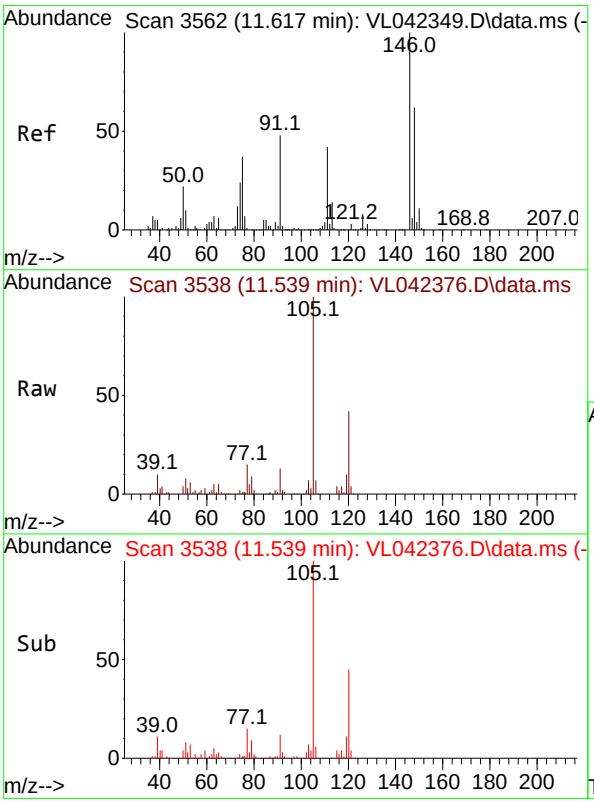
#65
tert-Butylbenzene
Concen: 0.101 ppbv
RT: 11.536 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL

Tgt Ion:119 Resp: 5490

Ion	Ratio	Lower	Upper
119	100		
91	128.3	74.6	111.8#
134	0.0	18.8	28.2#

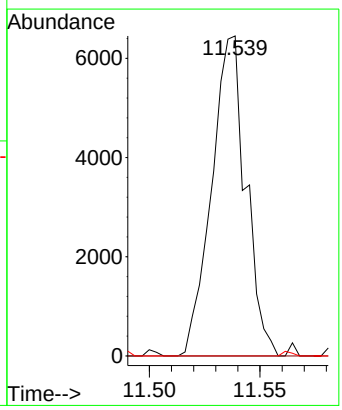


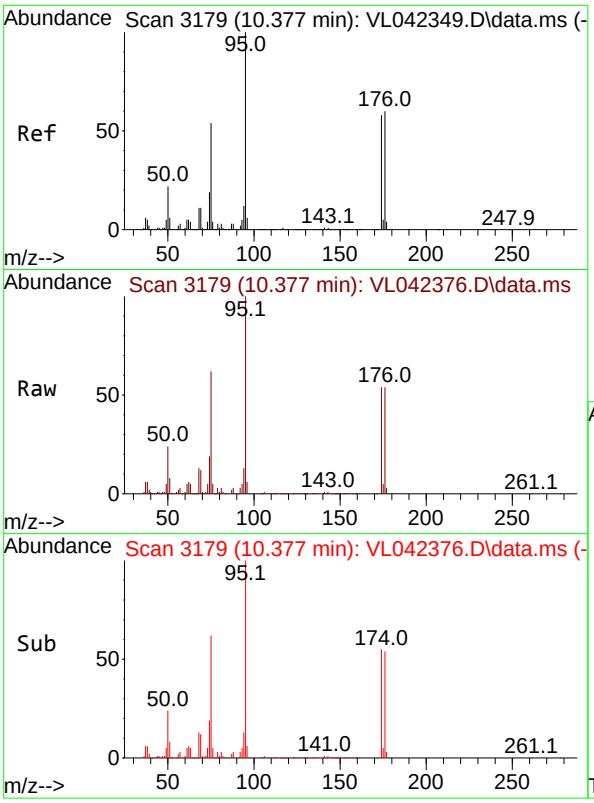


#66
Benzyl Chloride
Concen: 1.170 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.078 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Tgt Ion: 91 Resp: 6956

Ion	Ratio	Lower	Upper
91	100		
126	0.1	11.8	17.6#
128	0.4	4.5	6.7#



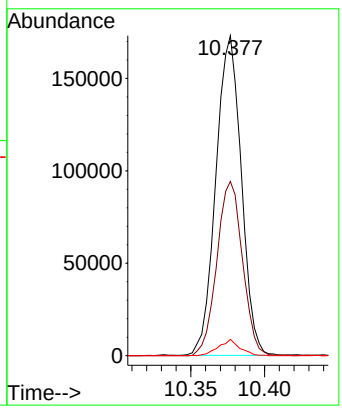


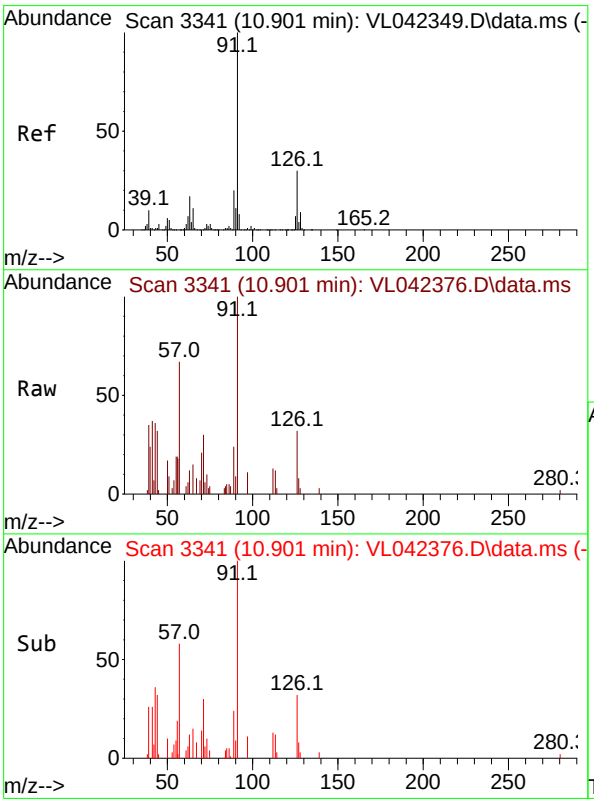
#68
1-Bromo-4-Fluorobenzene
Concen: 10.106 ppbv
RT: 10.377 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL

Tgt Ion: 95 Resp: 207163

Ion	Ratio	Lower	Upper
95	100		
174	54.9	48.5	72.7
175	4.3	3.7	5.5

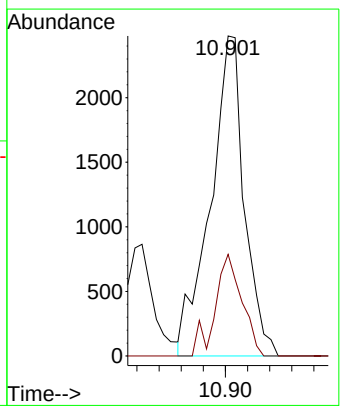


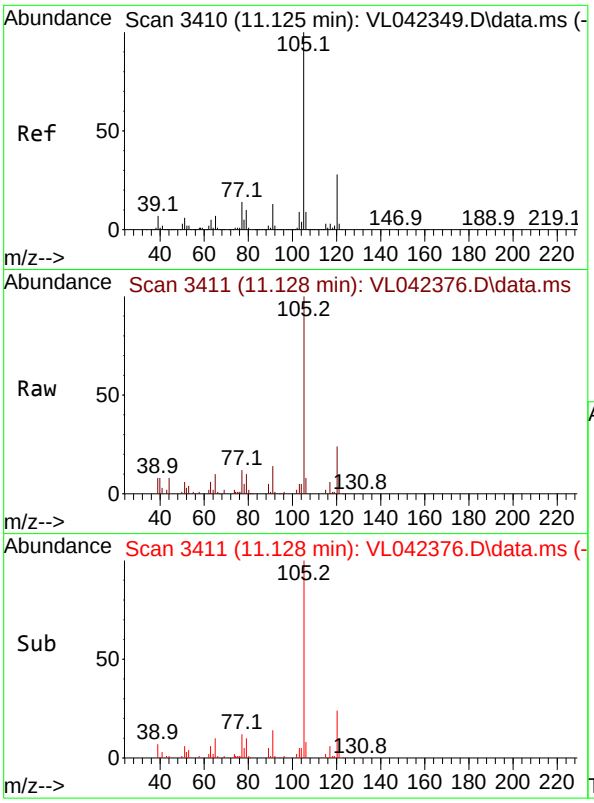


#71
2-Chlorotoluene
Concen: 0.057 ppbv
RT: 10.901 min Scan# 3341
Delta R.T. -0.000 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Tgt Ion: 91 Resp: 2632

Ion	Ratio	Lower	Upper
91	100		
126	25.2	11.4	45.4



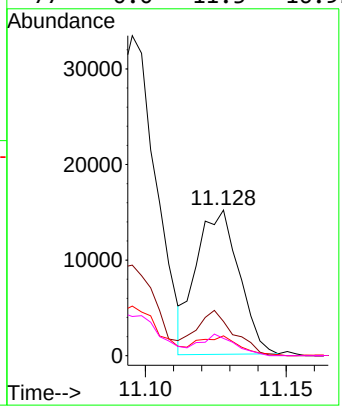


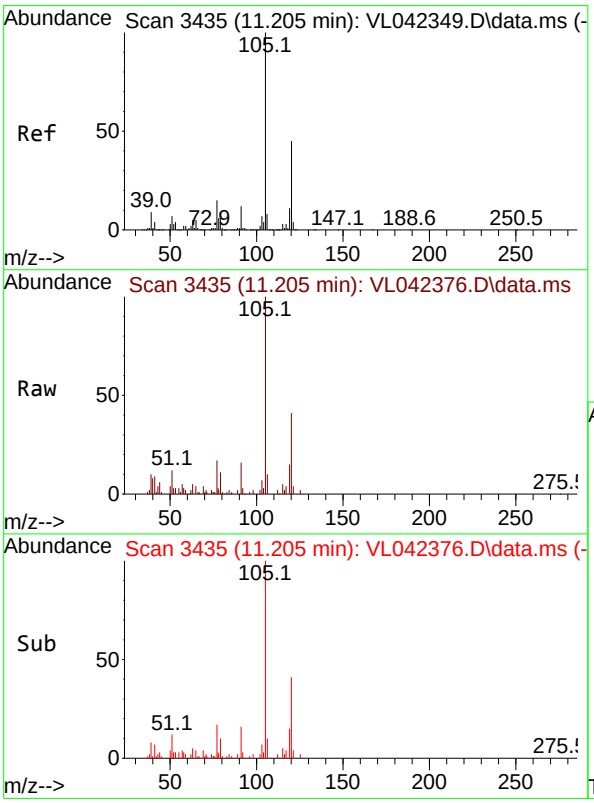
#72
4-Ethyltoluene
Concen: 0.325 ppbv
RT: 11.128 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL

Tgt Ion:105 Resp: 15927

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.2	34.8#
91	0.0	10.4	15.6#
77	0.0	11.3	16.9#

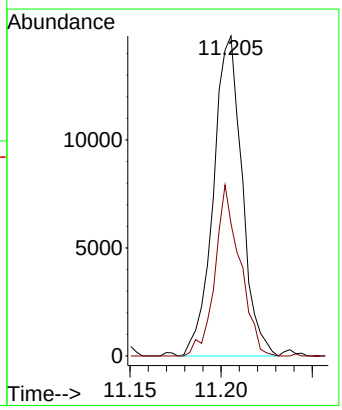


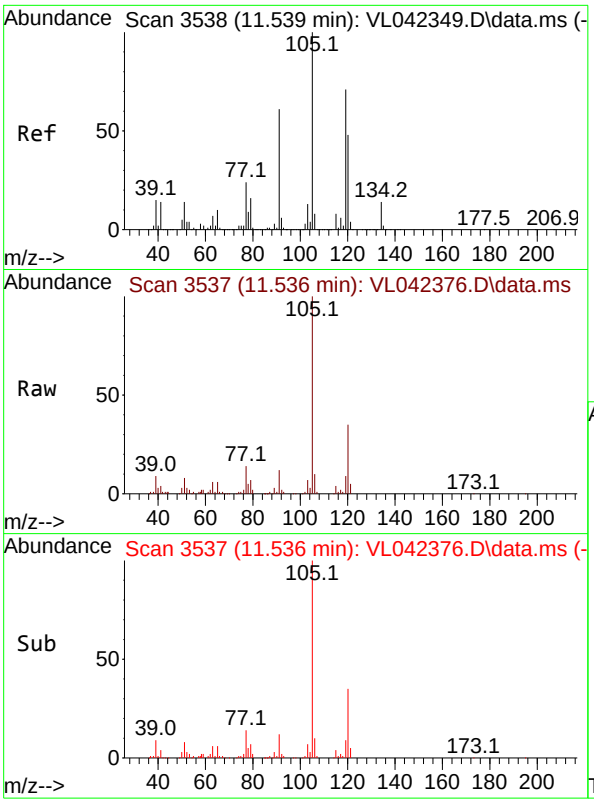


#73
1,3,5-Trimethylbenzene
Concen: 0.375 ppbv
RT: 11.205 min Scan# 3435
Delta R.T. -0.000 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Tgt Ion:105 Resp: 16220

Ion	Ratio	Lower	Upper
105	100		
120	41.4	35.6	53.4



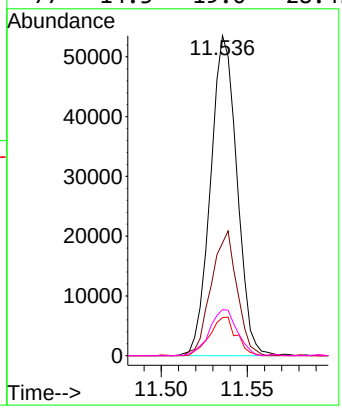


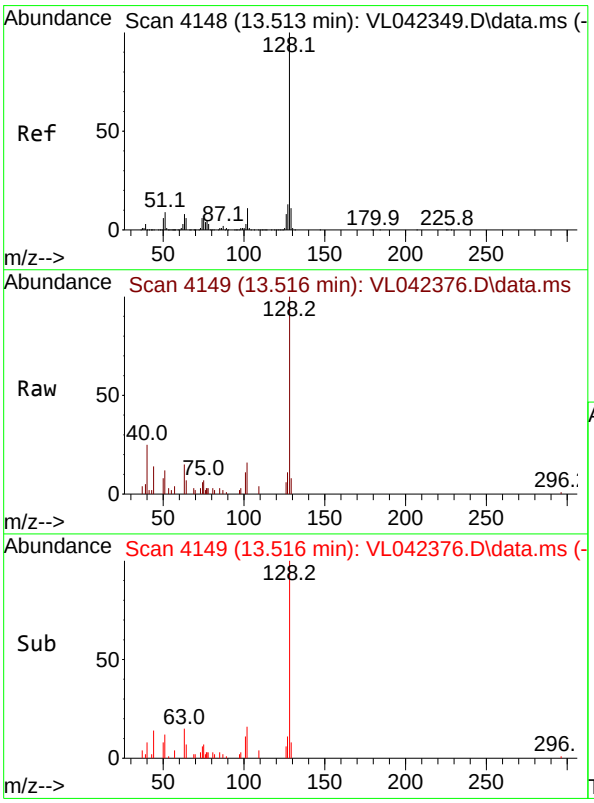
#74
1,2,4-Trimethylbenzene
Concen: 1.132 ppbv
RT: 11.536 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL

Tgt Ion:105 Resp: 57208

Ion	Ratio	Lower	Upper
105	100		
120	35.2	38.1	57.1#
91	11.9	48.8	73.2#
77	14.3	19.0	28.4#





#79
Naphthalene
Concen: 0.076 ppbv
RT: 13.516 min Scan# 4149
Delta R.T. 0.003 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Tgt Ion:128 Resp: 4610

Ion	Ratio	Lower	Upper
128	100		
127	10.9	10.6	15.8
129	8.4	8.6	12.8#