Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042378.D
Acq On : 18 Apr 2025 02:32
Operator : SY/MD
Sample : Q1726-03DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025DL

Quant Time: Apr 18 04:40:41 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	92120	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	265690	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	228865	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	194344	10.334	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	1037	0.064	ppbv #	72
3) Chlorodifluoromethane	1.466	51	3381	0.218	ppbv #	70
4) Chloromethane	1.531	50	967	0.150	ppbv #	76
9) Propene	1.560	41	6477	0.918	ppbv	88
10) Heptane	4.978	43	1262	0.064	ppbv #	1
13) Ethanol	1.722	45	14985	13.357	ppbv	75
15) Acetone	1.835	43	643033	42.641	ppbv	99
16) 1,3-Butadiene	1.622	39	1836	0.255	ppbv #	46
19) Isopropyl Alcohol	1.887	45	20625	2.462	ppbv #	1
20) Methylene Chloride	2.062	84	5194	0.879	ppbv #	76
21) Allyl Chloride	2.107	41	493	0.047	ppbv #	33
23) Vinyl Acetate	2.457	43	1310	0.215	ppbv #	42
25) Ethyl Acetate	2.829	43	5491	0.148	ppbv #	83
26) Hexane	2.826	57	7525	0.500	ppbv #	41
34) 2-Butanone	2.564	43	2187	0.104	ppbv	92
36) Benzene	3.658	78	1088	0.038	ppbv #	86
39) 1,2-Dichloropropane	3.959	63	72965	6.833	ppbv #	21
44) 2,2,4-Trimethylpentane	4.638	57	10536	0.213	ppbv #	39
53) Toluene	6.936	91	30658	0.891	ppbv	99
58) Ethyl Benzene	9.354	91	7859	0.173	ppbv	94
59) m/p-Xylene	9.552	91	4044	0.111	ppbv #	32
60) o-Xylene	9.963	91	8584	0.233	ppbv	97
64) n-propylbenzene	10.992	120	615	0.045	ppbv	72
72) 4-Ethyltoluene	11.125	105	4027	0.090	ppbv #	56
73) 1,3,5-Trimethylbenzene	11.209	105	2222	0.056	ppbv #	79
74) 1,2,4-Trimethylbenzene	11.536	105	13380	0.289	ppbv #	60

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
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IA-B2-2-03312025DL

Quant Time: Apr 18 04:40:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
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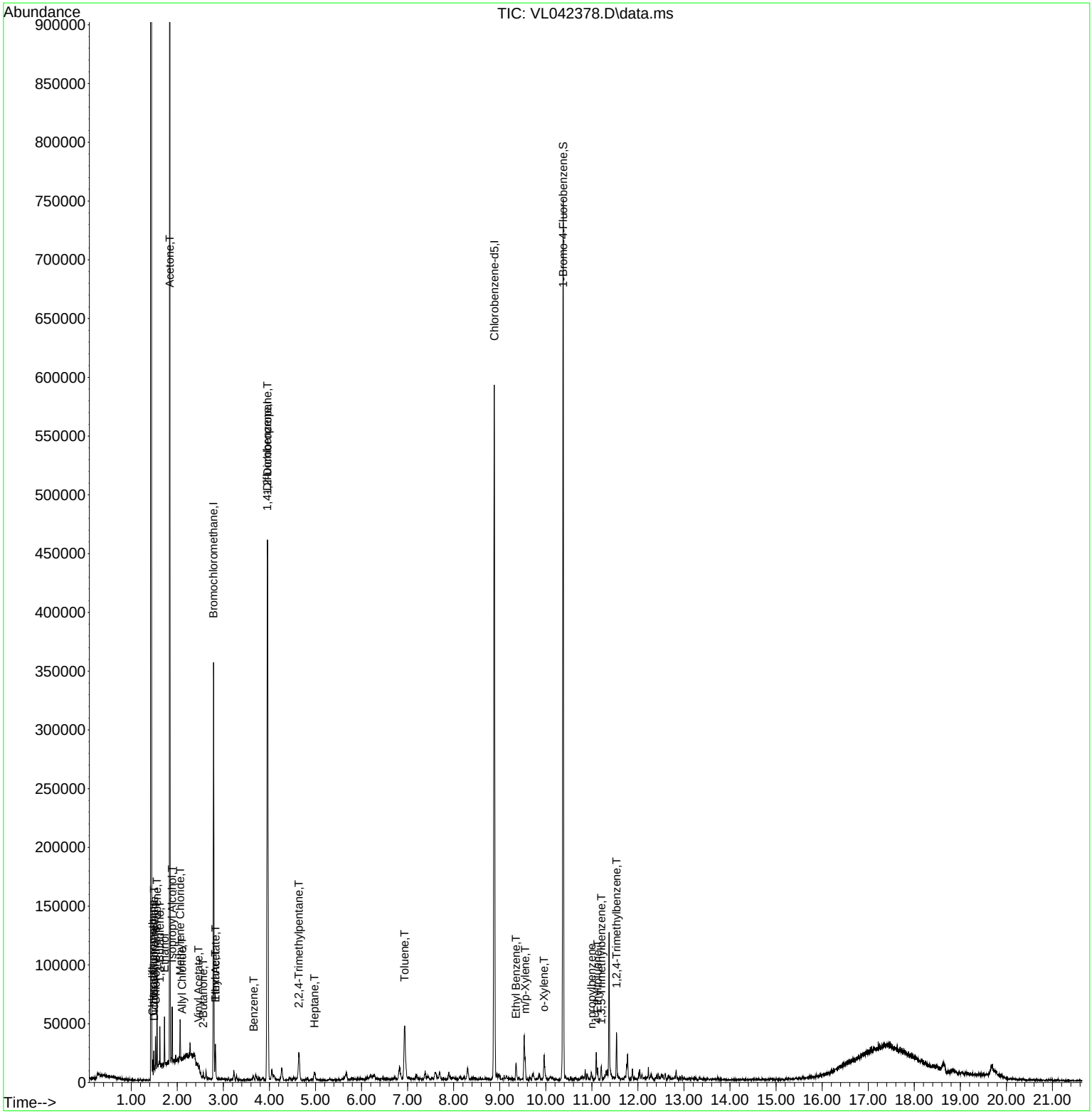
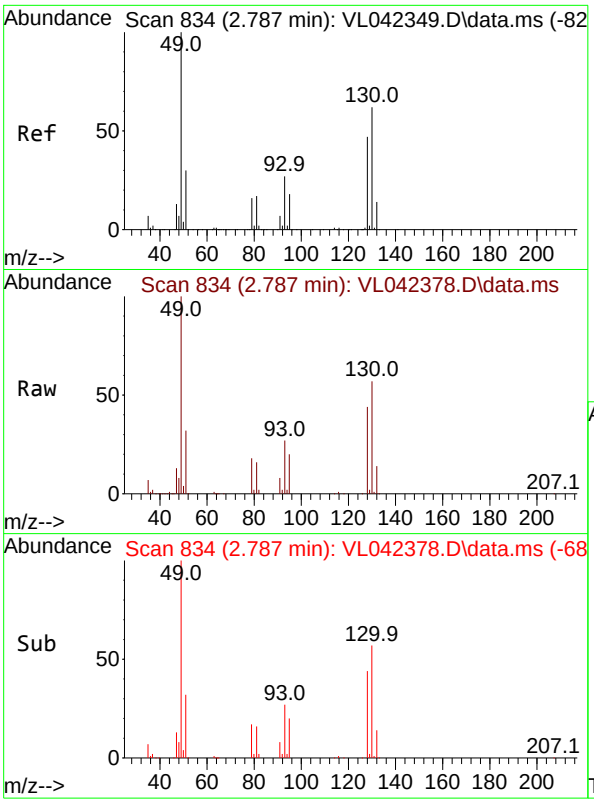


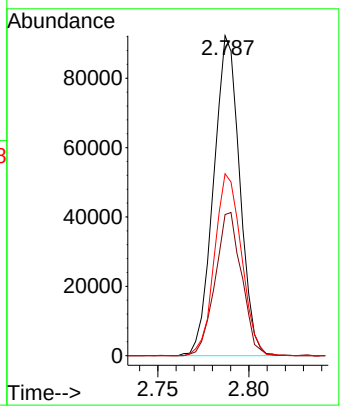


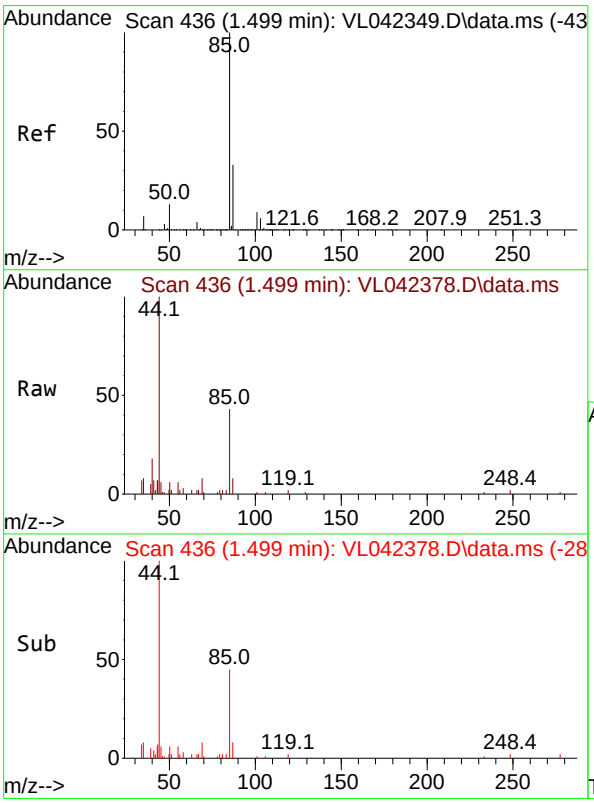
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025DL

Tgt Ion: 49 Resp: 92120

Ion	Ratio	Lower	Upper
49	100		
128	45.5	22.8	68.4
130	58.7	29.3	88.0

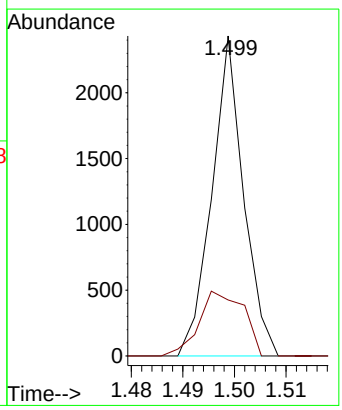


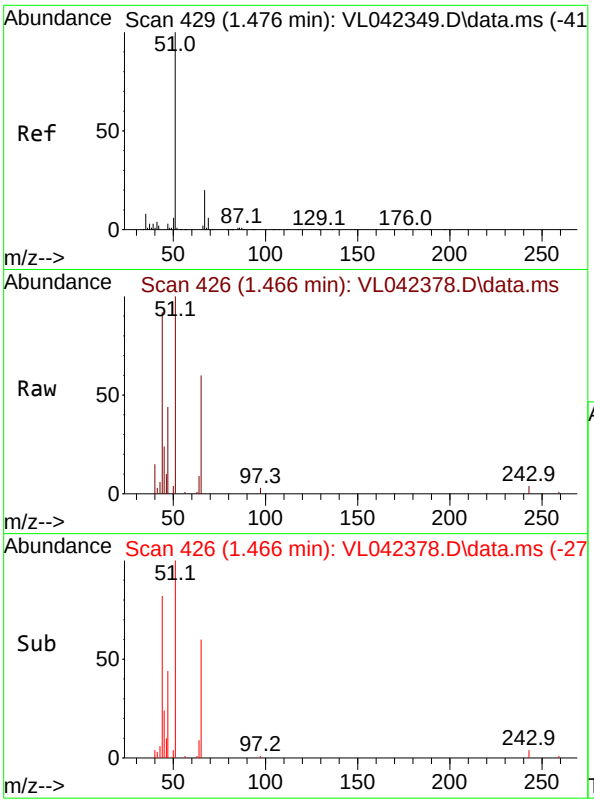


#2
Dichlorodifluoromethane
Concen: 0.064 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Tgt Ion: 85 Resp: 1037

Ion	Ratio	Lower	Upper
85	100		
87	17.5	26.6	39.8#



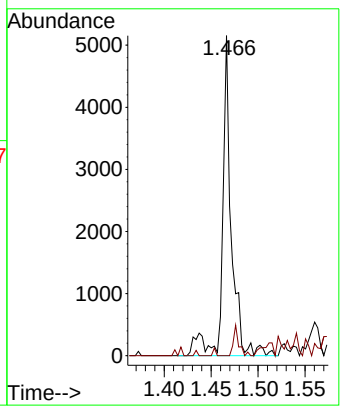


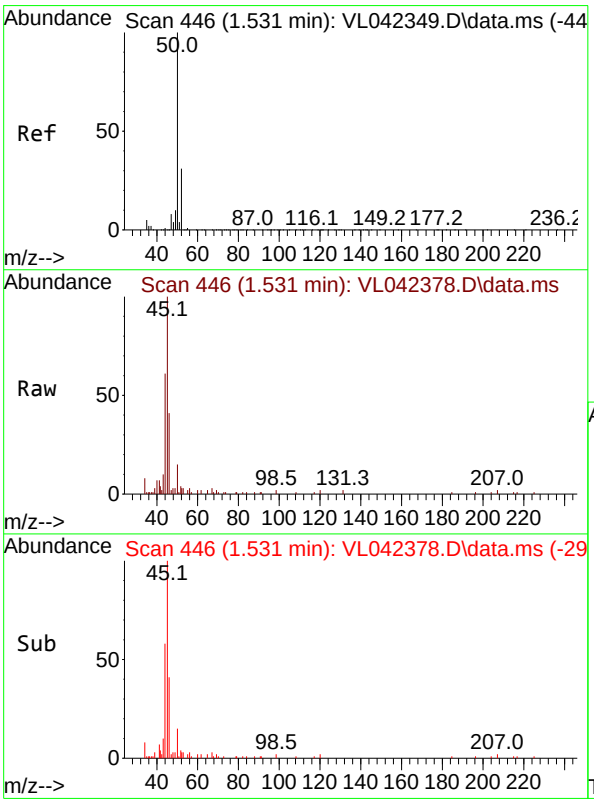
#3
Chlorodifluoromethane
Concen: 0.218 ppbv
RT: 1.466 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025DL

Tgt Ion: 51 Resp: 3381

Ion	Ratio	Lower	Upper
51	100		
67	6.4	16.2	24.4#

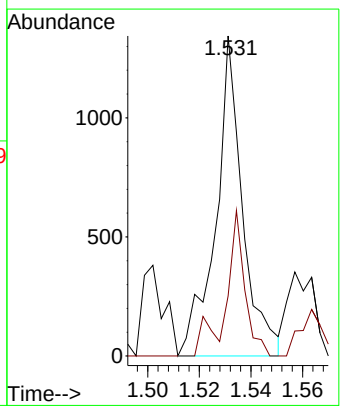


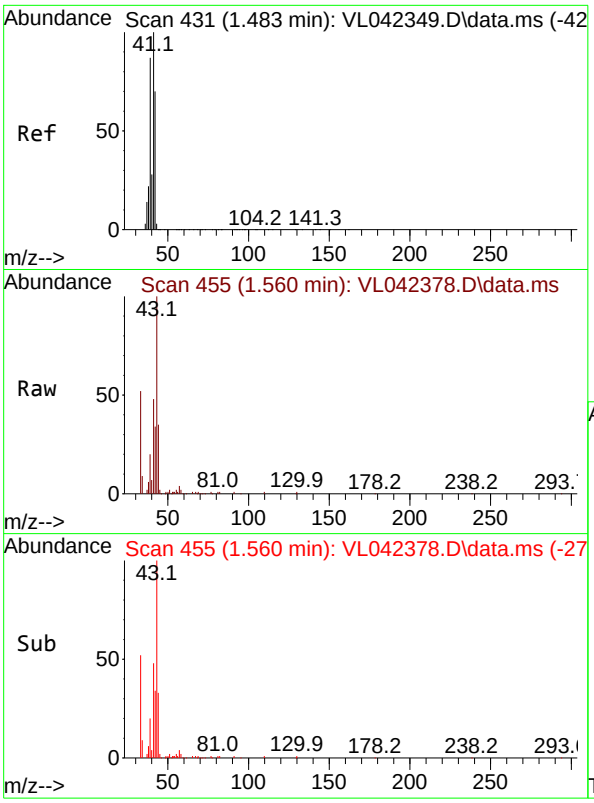


#4
Chloromethane
Concen: 0.150 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Tgt Ion: 50 Resp: 967

Ion	Ratio	Lower	Upper
50	100		
52	17.5	24.7	37.1#



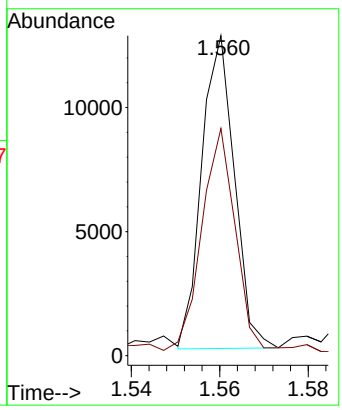


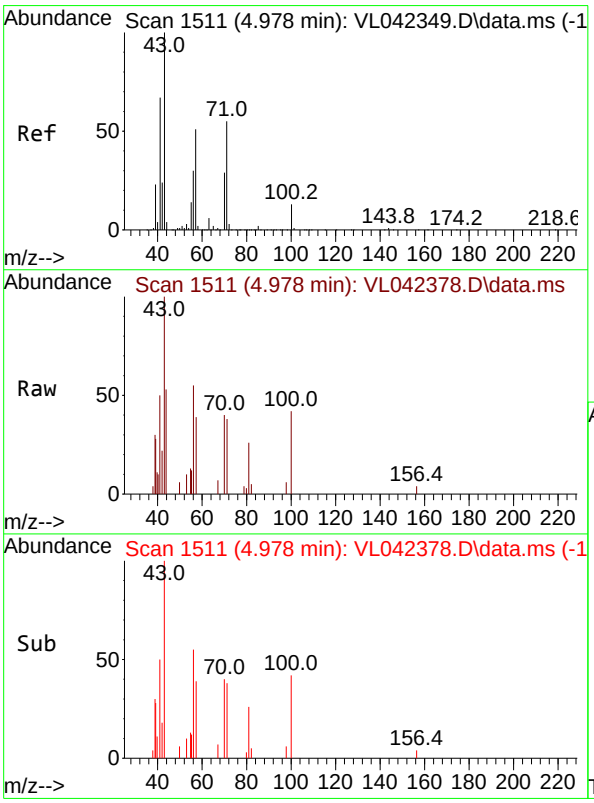
#9
Propene
Concen: 0.918 ppbv
RT: 1.560 min Scan# 4
Delta R.T. 0.078 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025DL

Tgt Ion: 41 Resp: 6477

Ion	Ratio	Lower	Upper
41	100		
42	79.8	56.2	84.4

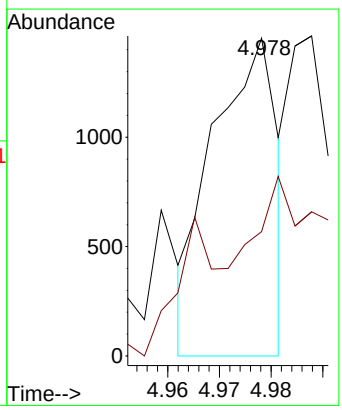


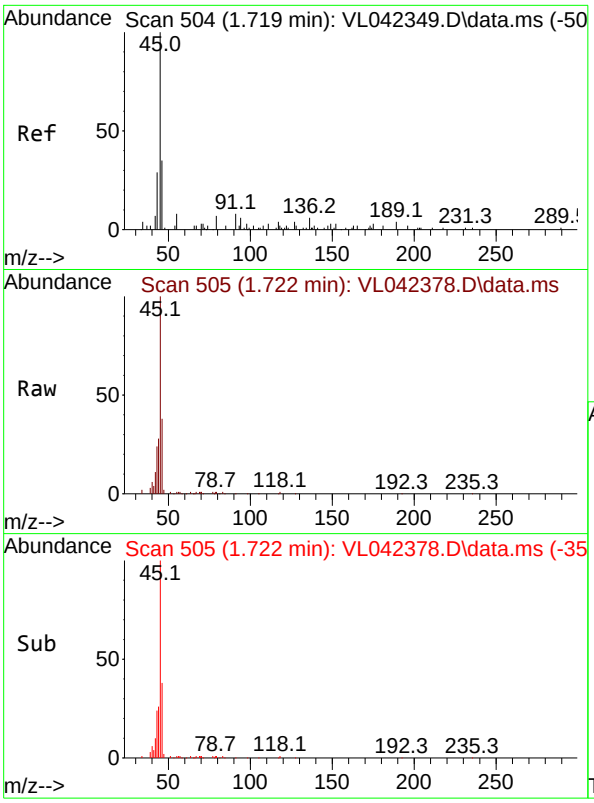


#10
Heptane
Concen: 0.064 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Tgt Ion: 43 Resp: 1262

Ion	Ratio	Lower	Upper
43	100		
57	125.8	39.9	59.9#



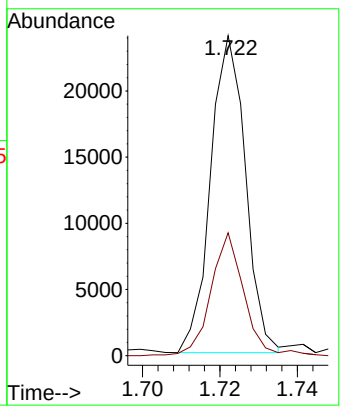


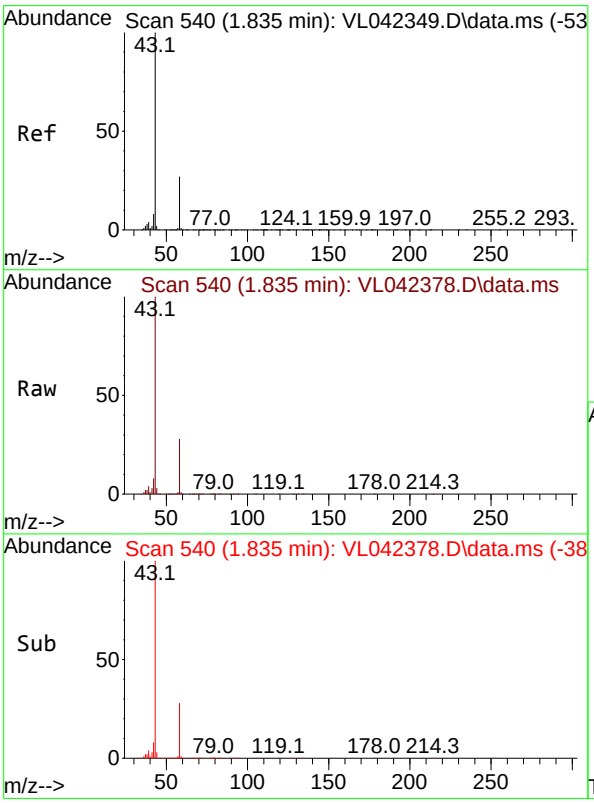
#13
Ethanol
Concen: 13.357 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025DL

Tgt Ion: 45 Resp: 14985

Ion	Ratio	Lower	Upper
45	100		
46	36.7	21.9	87.7

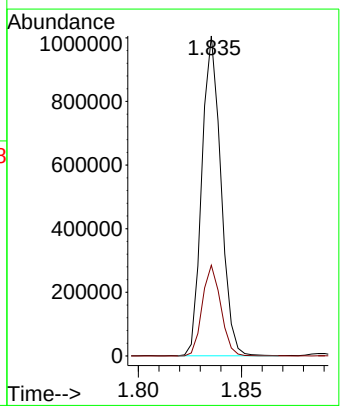


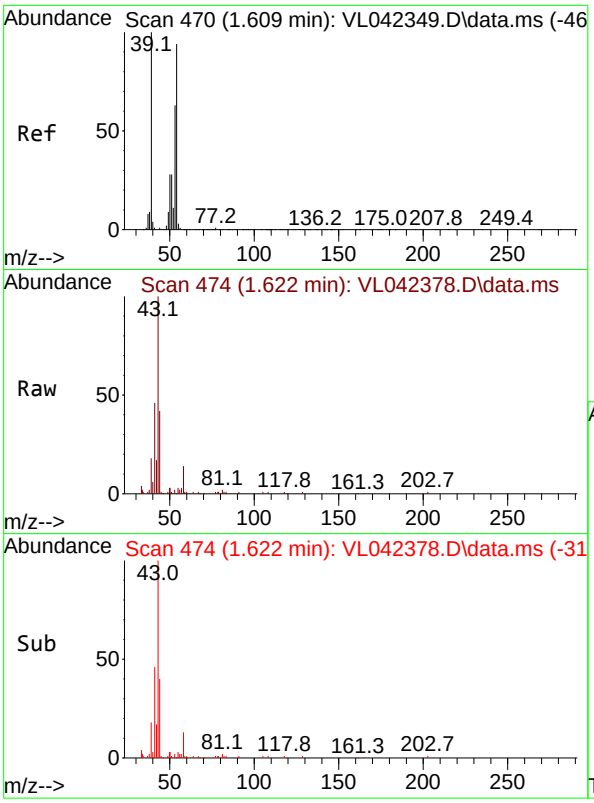


#15
Acetone
Concen: 42.641 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Tgt Ion: 43 Resp: 643033

Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.4	33.6



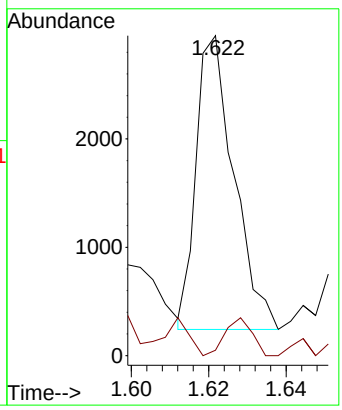


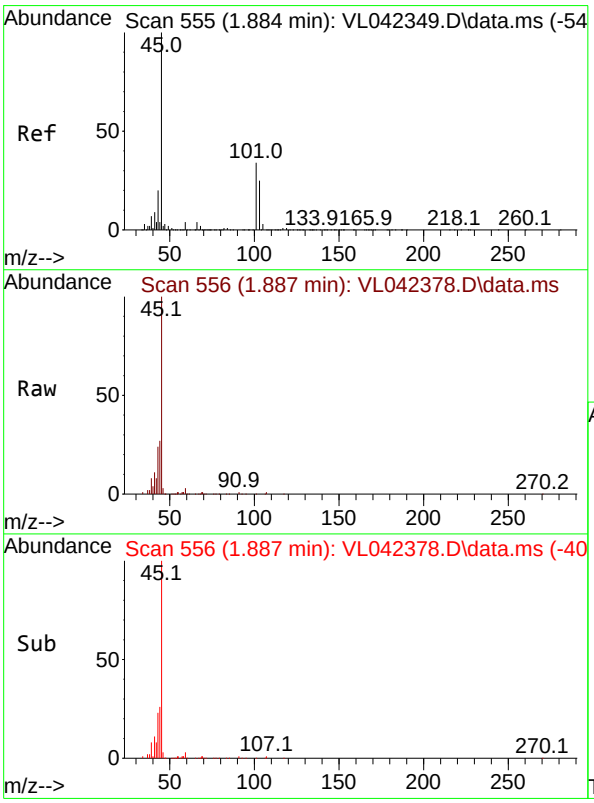
#16
1,3-Butadiene
Concen: 0.255 ppbv
RT: 1.622 min Scan# 4
Delta R.T. 0.013 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025DL

Tgt Ion: 39 Resp: 1836

Ion	Ratio	Lower	Upper
39	100		
54	32.7	64.9	97.3#

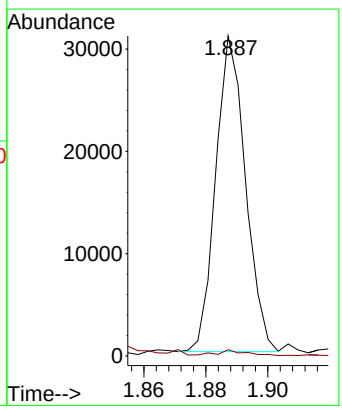


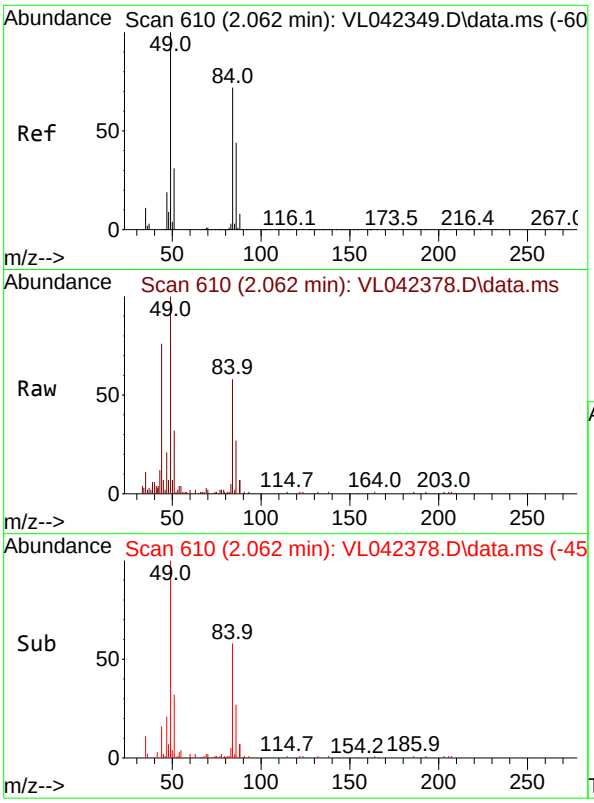


#19
Isopropyl Alcohol
Concen: 2.462 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Tgt Ion: 45 Resp: 20625

Ion	Ratio	Lower	Upper
45	100		
58	861.8	34.5	51.7#



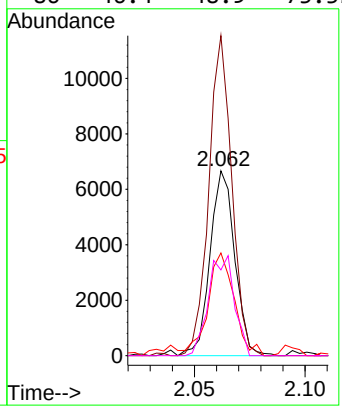


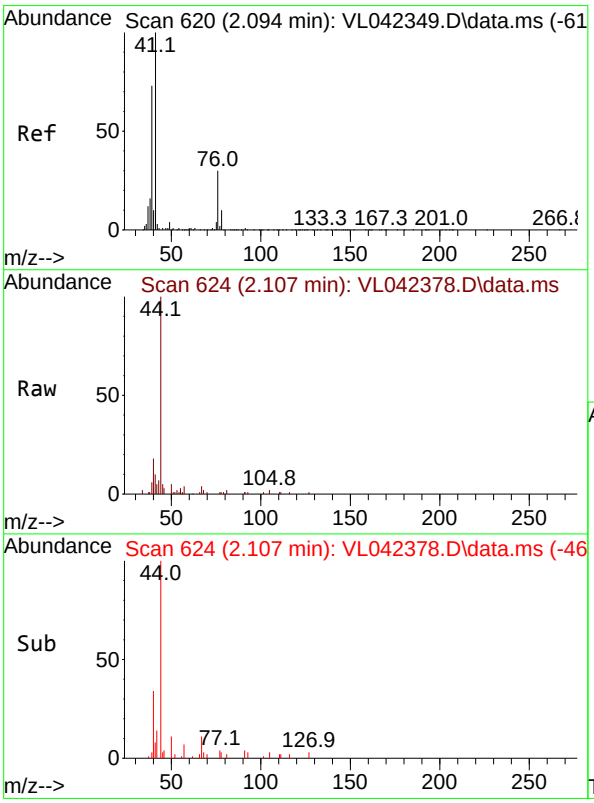
#20
Methylene Chloride
Concen: 0.879 ppbv
RT: 2.062 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025DL

Tgt Ion: 84 Resp: 5194

Ion	Ratio	Lower	Upper
84	100		
49	173.1	111.6	167.4#
51	54.4	35.1	52.7#
86	46.4	48.9	73.3#

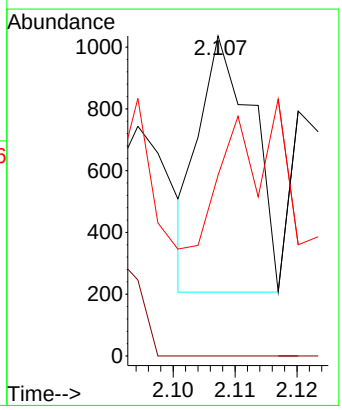


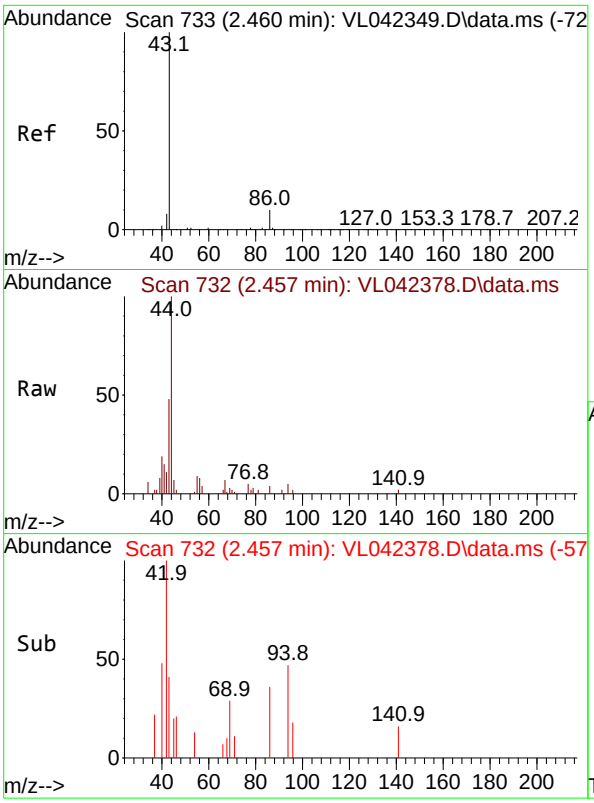


#21
Allyl Chloride
Concen: 0.047 ppbv
RT: 2.107 min Scan# 624
Delta R.T. 0.013 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Tgt Ion: 41 Resp: 493

Ion	Ratio	Lower	Upper
41	100		
76	22.3	24.8	37.2#
39	0.0	60.6	90.8#



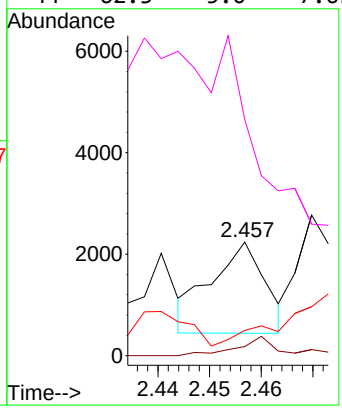


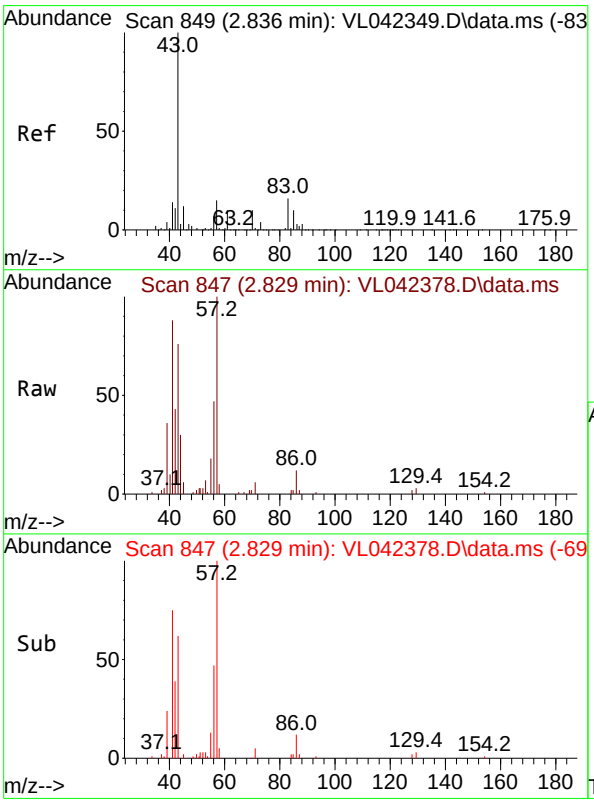
#23
Vinyl Acetate
Concen: 0.215 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025DL

Tgt Ion: 43 Resp: 1310

Ion	Ratio	Lower	Upper
43	100		
86	14.9	6.5	9.7#
42	2.0	7.8	11.8#
44	62.3	5.0	7.6#

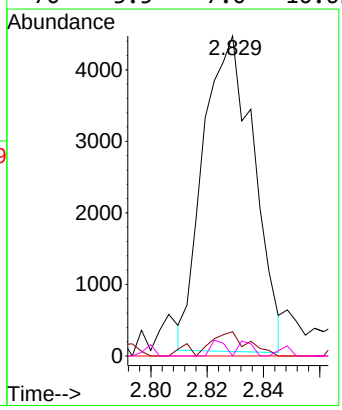


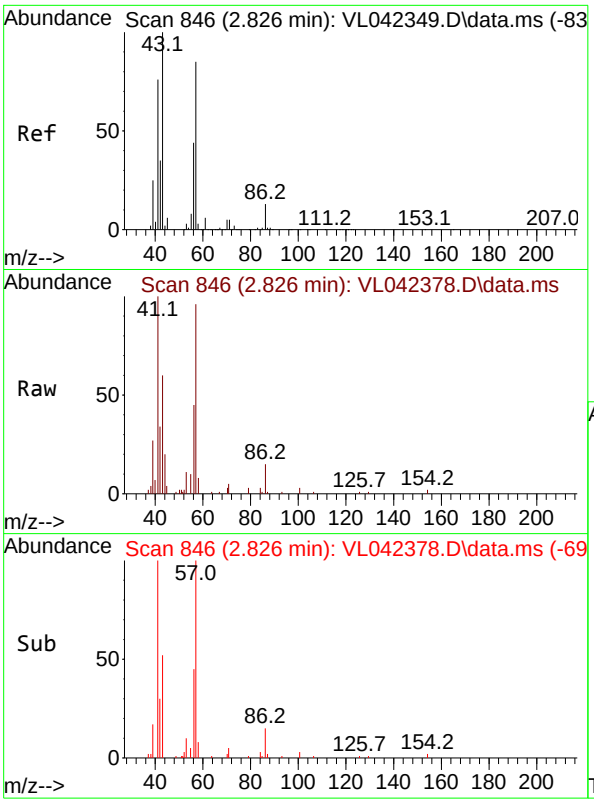


#25
Ethyl Acetate
Concen: 0.148 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.006 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Tgt Ion: 43 Resp: 5491

Ion	Ratio	Lower	Upper
43	100		
45	6.4	8.3	12.5#
61	0.0	7.3	10.9#
70	3.5	7.0	10.6#



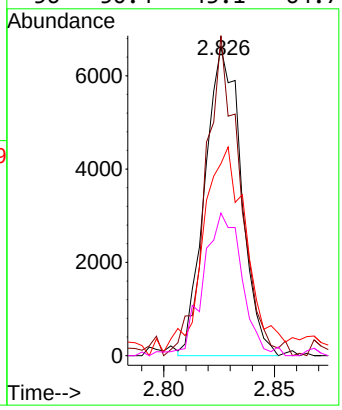


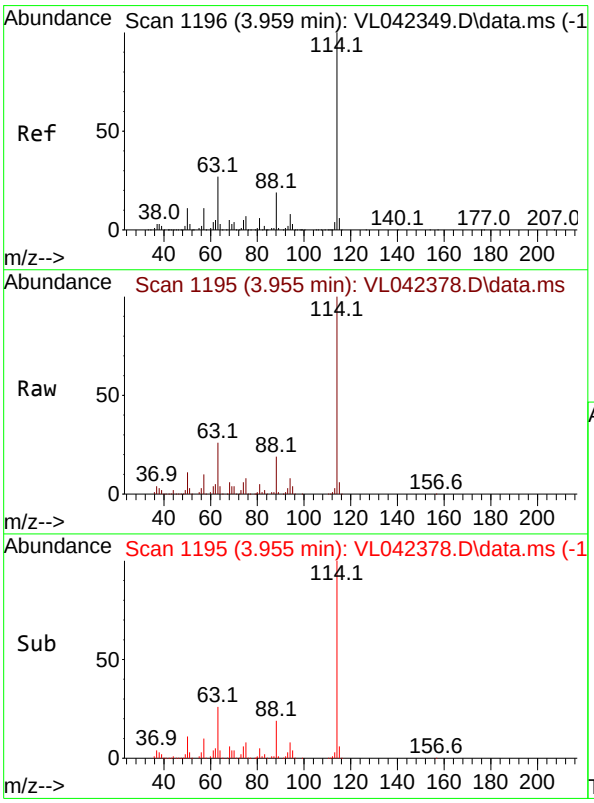
#26
Hexane
Concen: 0.500 ppbv
RT: 2.826 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025DL

Tgt Ion: 57 Resp: 7525

Ion	Ratio	Lower	Upper
57	100		
41	102.4	77.9	116.9
43	97.5	208.4	312.6#
56	50.4	43.1	64.7

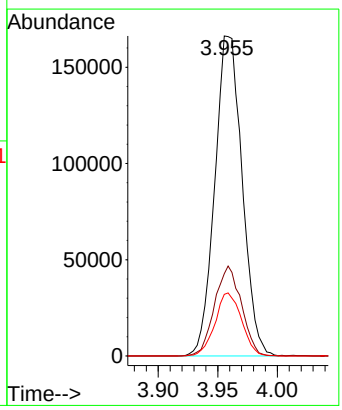


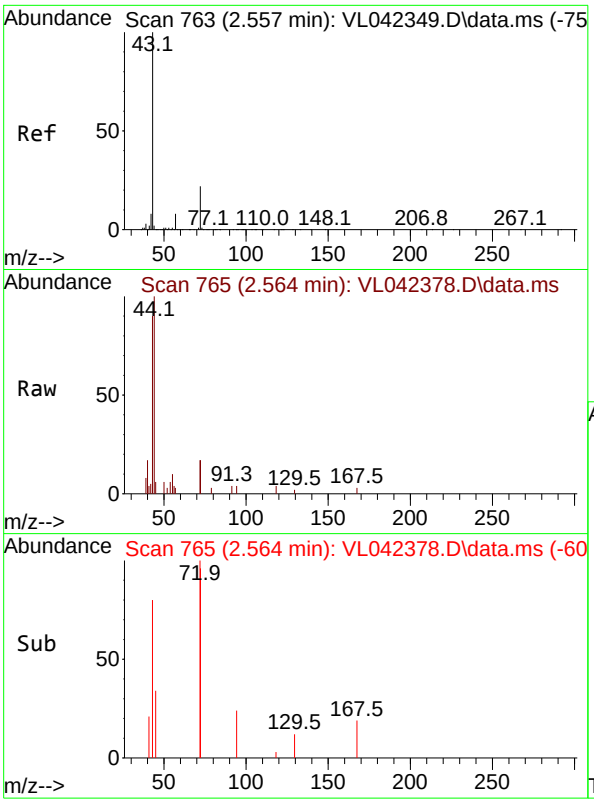


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.003 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Tgt Ion:114 Resp: 265690

Ion	Ratio	Lower	Upper
114	100		
63	27.5	21.8	32.6
88	19.1	15.5	23.3



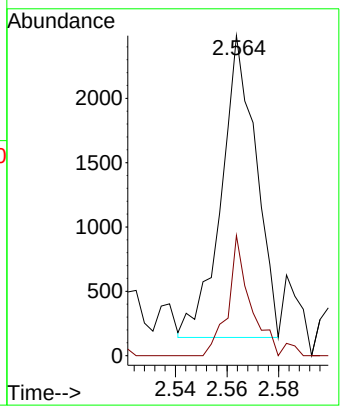


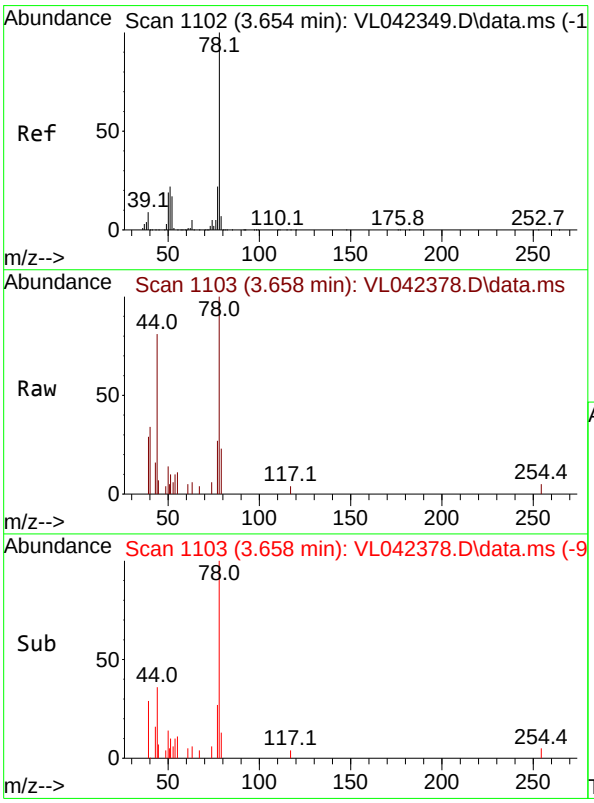
#34
2-Butanone
Concen: 0.104 ppbv
RT: 2.564 min Scan# 7
Delta R.T. 0.006 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025DL

Tgt Ion: 43 Resp: 2187

Ion	Ratio	Lower	Upper
43	100		
72	26.7	18.2	27.2

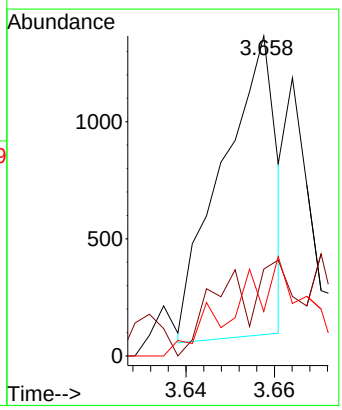


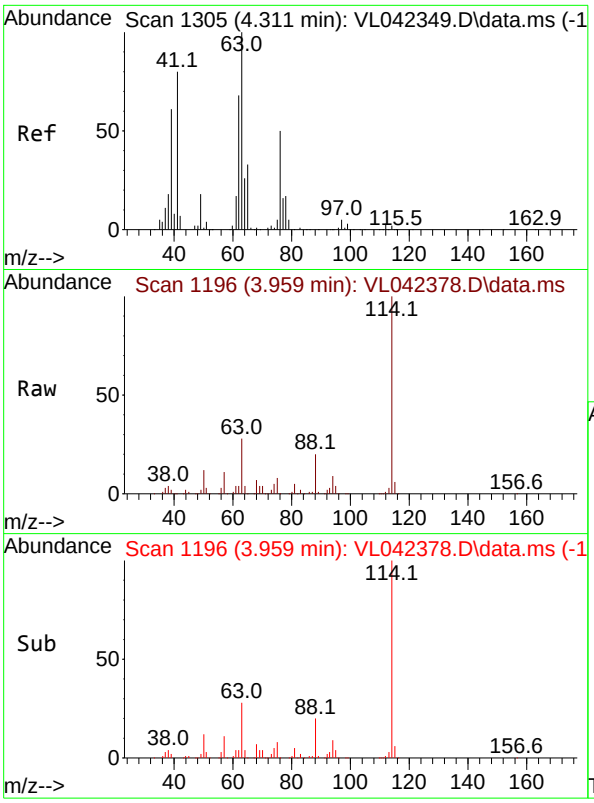


#36
Benzene
Concen: 0.038 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.003 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Tgt Ion: 78 Resp: 1088

Ion	Ratio	Lower	Upper
78	100		
77	32.1	17.4	26.0#
50	17.2	15.5	23.3



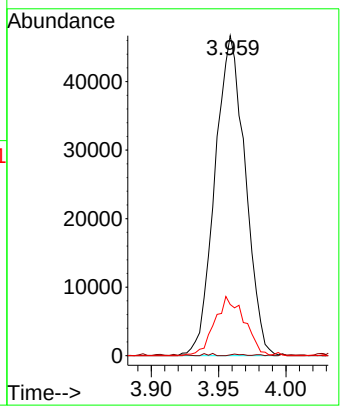


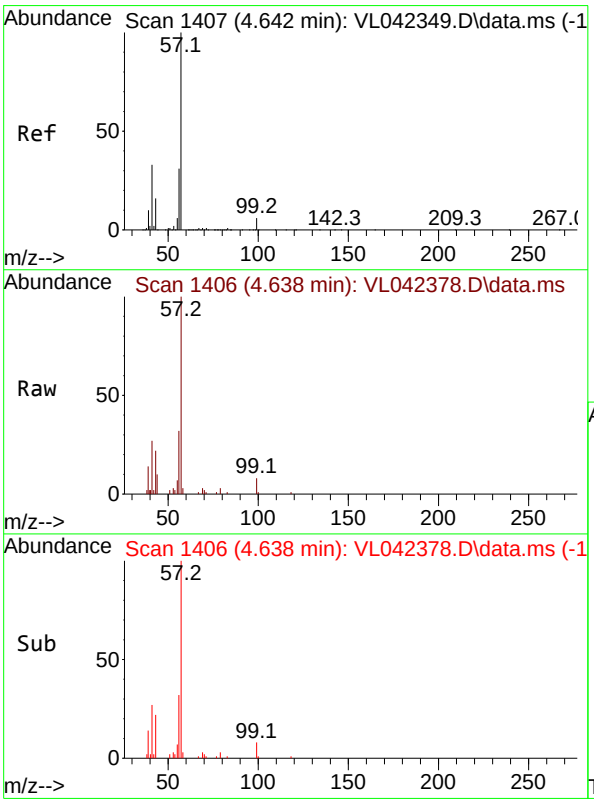
#39
1,2-Dichloropropane
Concen: 6.833 ppbv
RT: 3.959 min Scan# 11
Delta R.T. -0.353 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025DL

Tgt Ion: 63 Resp: 72965

Ion	Ratio	Lower	Upper
63	100		
41	0.1	64.2	96.2#
62	16.0	54.3	81.5#

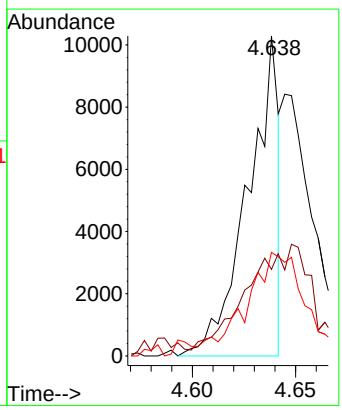


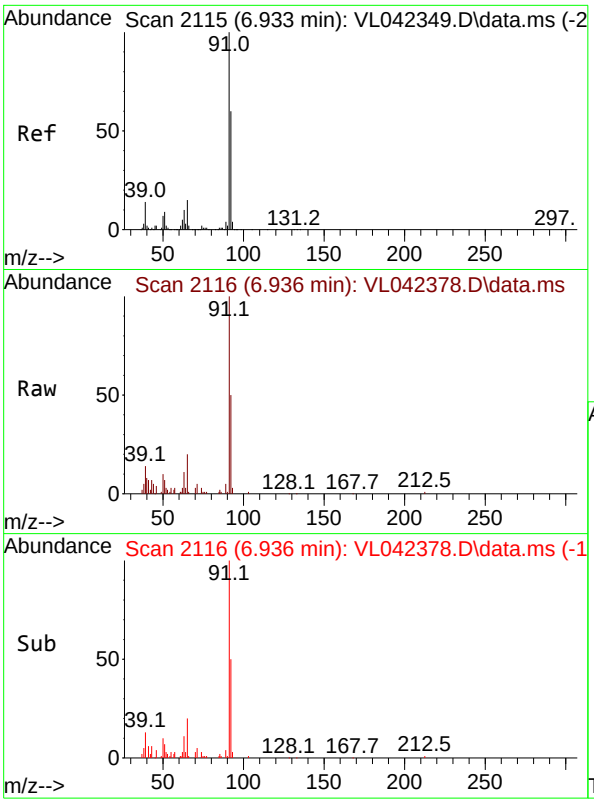


#44
2,2,4-Trimethylpentane
Concen: 0.213 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. -0.003 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Tgt Ion: 57 Resp: 10536

Ion	Ratio	Lower	Upper
57	100		
41	0.0	27.2	40.8#
56	67.3	25.7	38.5#



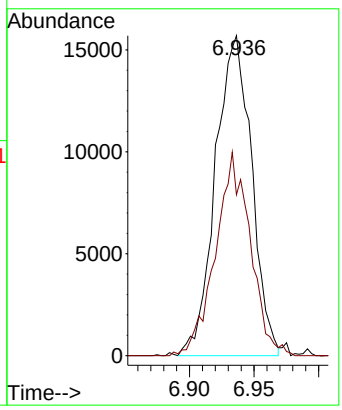


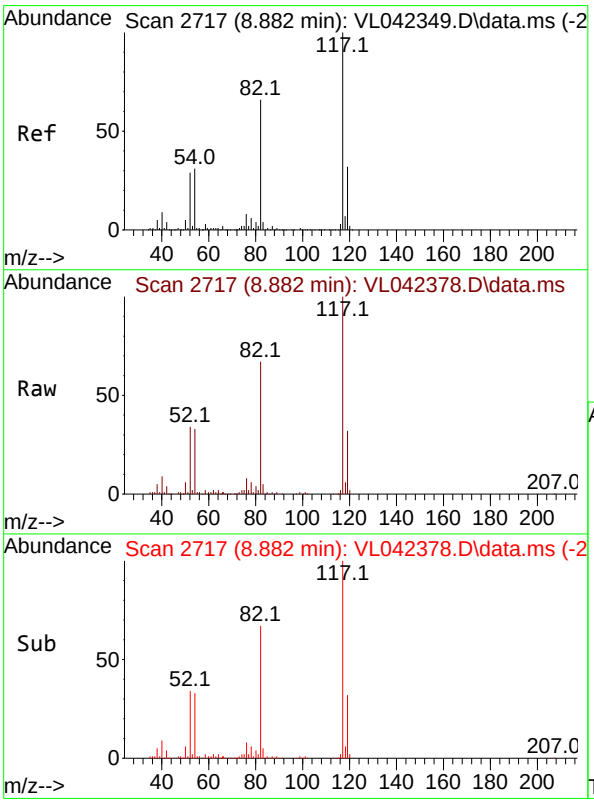
#53
Toluene
Concen: 0.891 ppbv
RT: 6.936 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025DL

Tgt Ion: 91 Resp: 30658

Ion	Ratio	Lower	Upper
91	100		
92	61.1	48.2	72.4

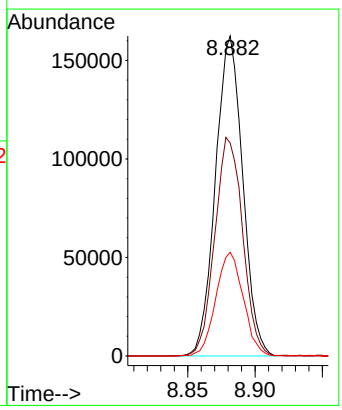


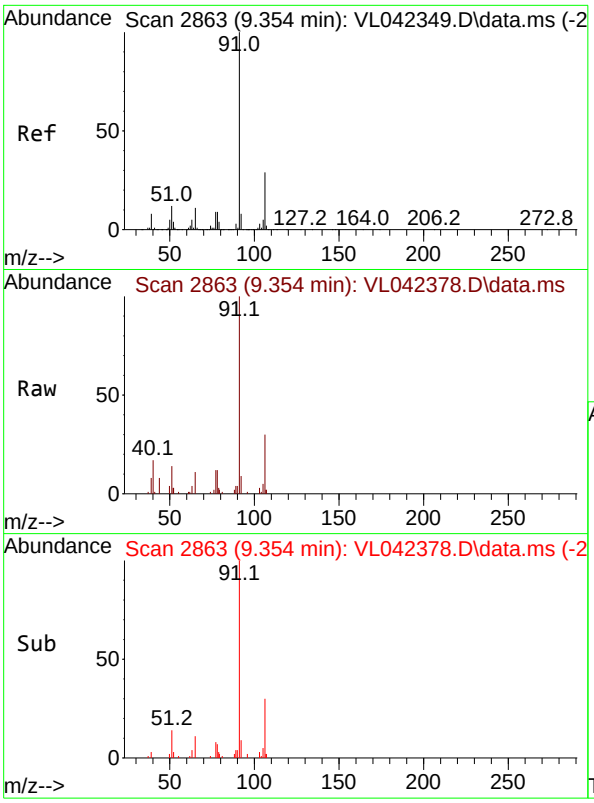


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. -0.000 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Tgt Ion:117 Resp: 228865

Ion	Ratio	Lower	Upper
117	100		
82	69.8	57.8	86.6
119	32.7	25.2	37.8



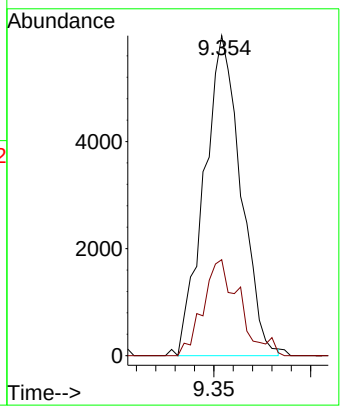


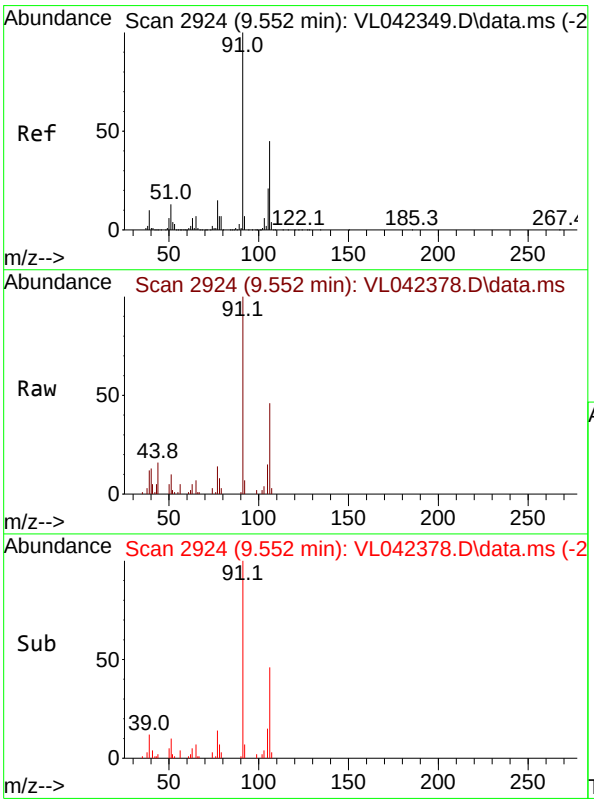
#58
Ethyl Benzene
Concen: 0.173 ppbv
RT: 9.354 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025DL

Tgt Ion: 91 Resp: 7859

Ion	Ratio	Lower	Upper
91	100		
106	31.6	23.0	34.4

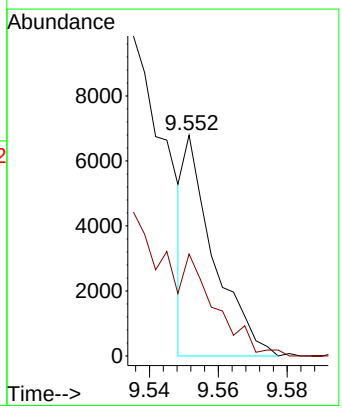


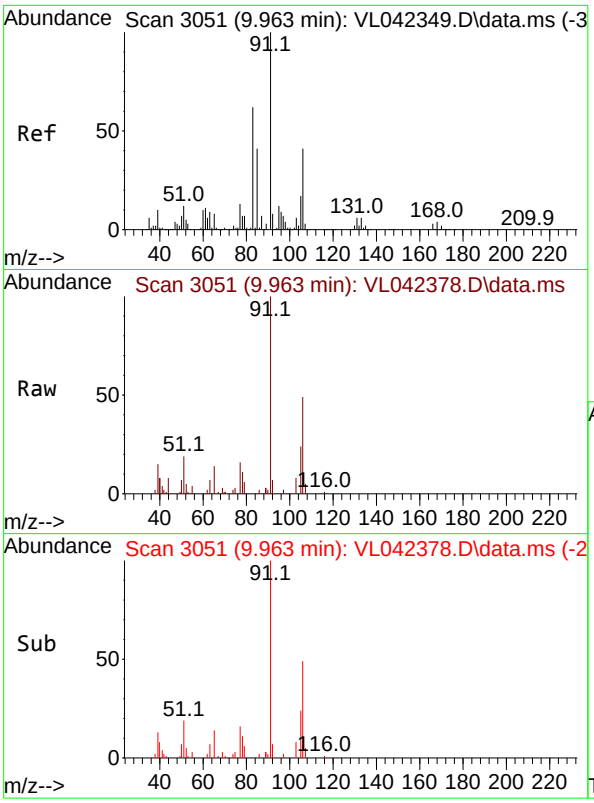


#59
m/p-Xylene
Concen: 0.111 ppbv
RT: 9.552 min Scan# 2924
Delta R.T. -0.000 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Tgt Ion: 91 Resp: 4044

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2#



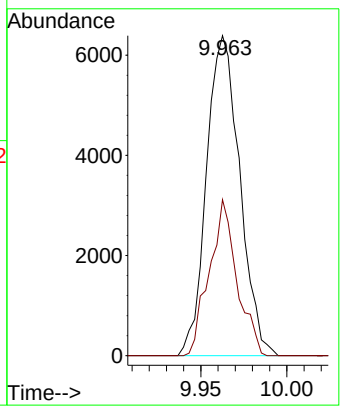


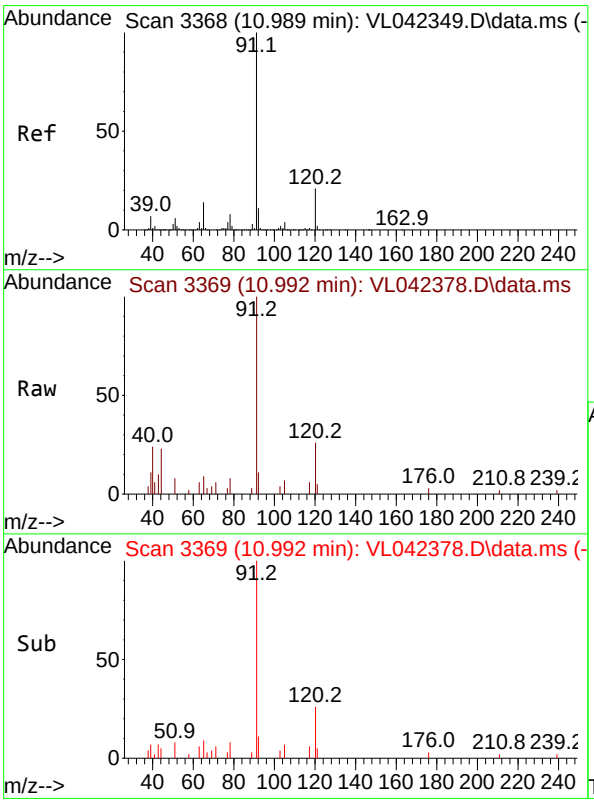
#60
o-Xylene
Concen: 0.233 ppbv
RT: 9.963 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025DL

Tgt Ion: 91 Resp: 8584

Ion	Ratio	Lower	Upper
91	100		
106	40.6	21.1	63.4

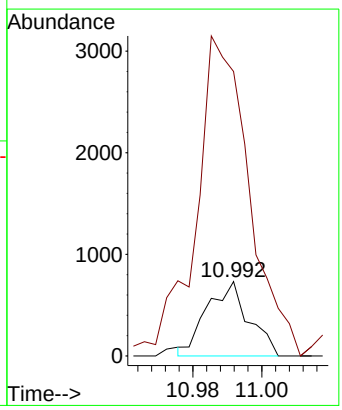


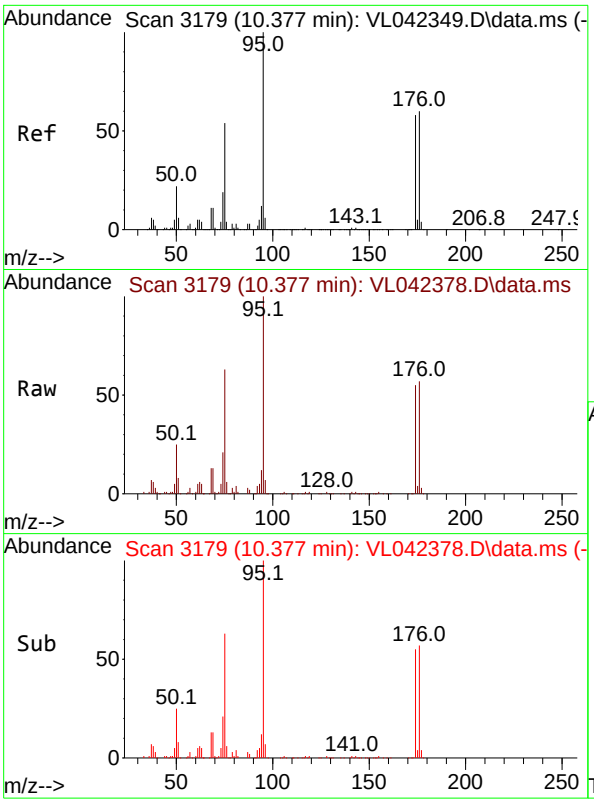


#64
n-propylbenzene
Concen: 0.045 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.003 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Tgt Ion:120 Resp: 615

Ion	Ratio	Lower	Upper
120	100		
91	566.3	392.4	588.6



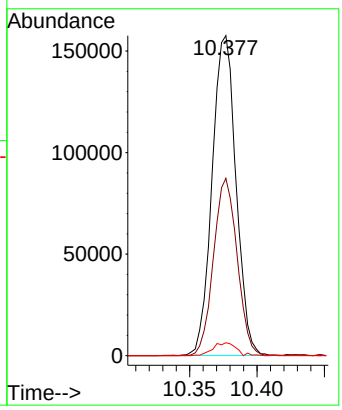


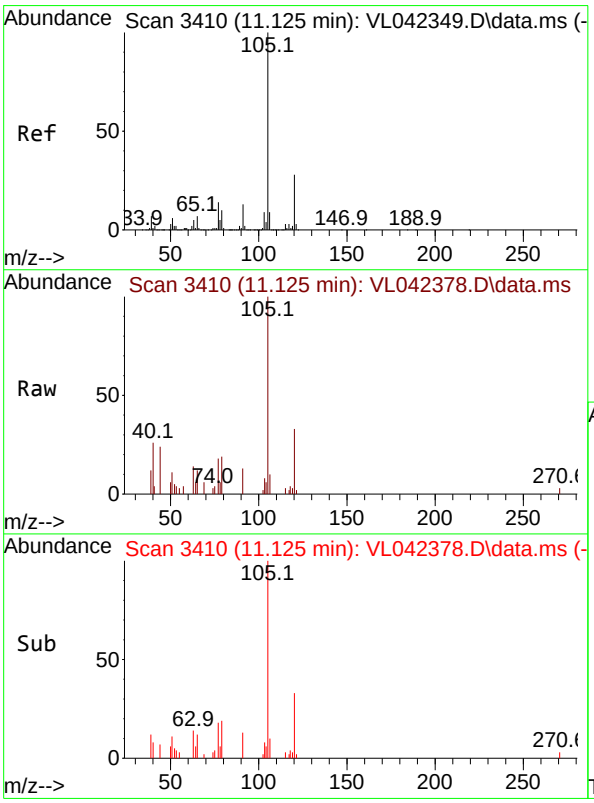
#68
1-Bromo-4-Fluorobenzene
Concen: 10.334 ppbv
RT: 10.377 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025DL

Tgt Ion: 95 Resp: 194344

Ion	Ratio	Lower	Upper
95	100		
174	55.0	48.5	72.7
175	4.0	3.7	5.5

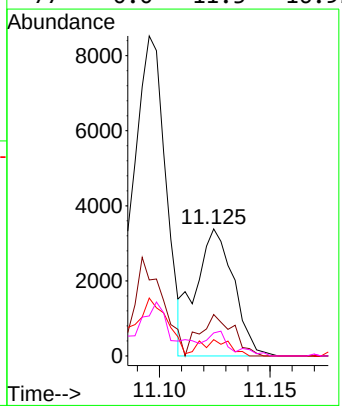


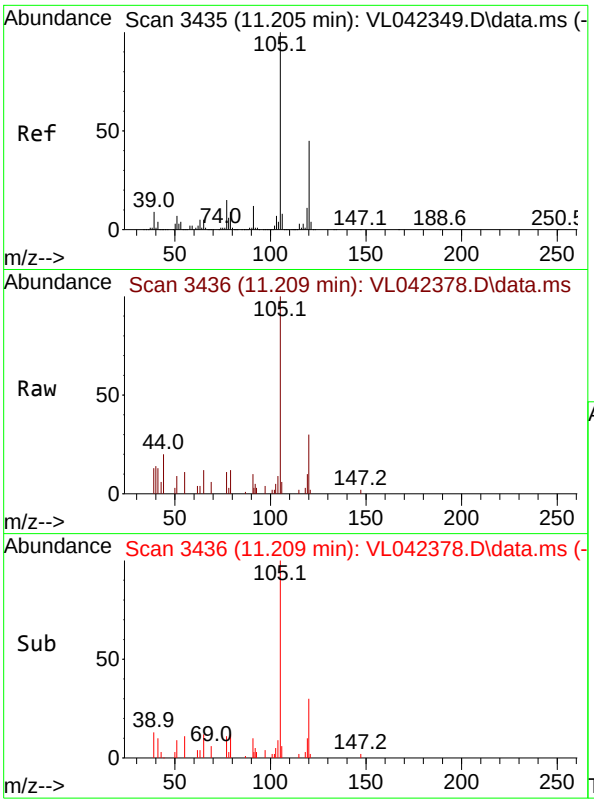


#72
4-Ethyltoluene
Concen: 0.090 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.000 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Tgt Ion:105 Resp: 4027

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#



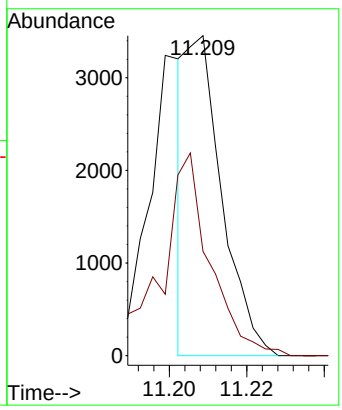


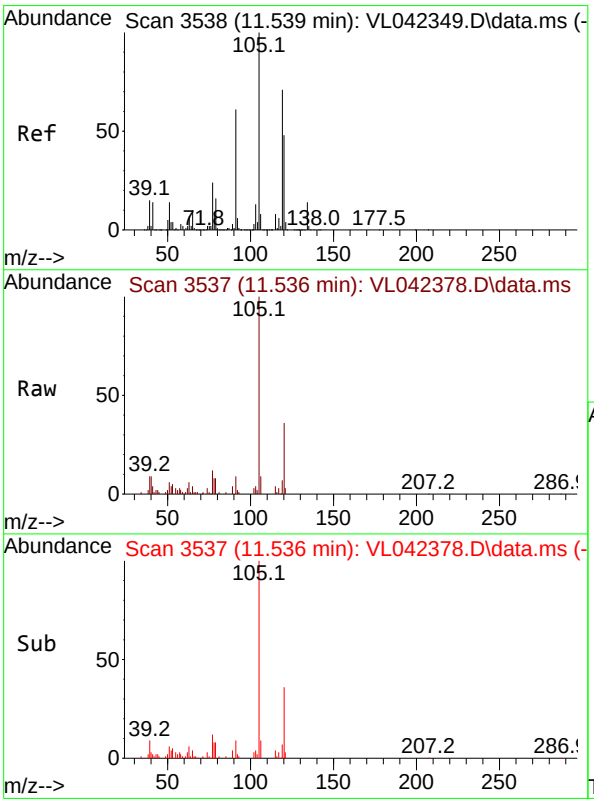
#73
1,3,5-Trimethylbenzene
Concen: 0.056 ppbv
RT: 11.209 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025DL

Tgt Ion:105 Resp: 2222

Ion	Ratio	Lower	Upper
105	100		
120	30.7	35.6	53.4#





#74
1,2,4-Trimethylbenzene
Concen: 0.289 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.003 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

Tgt Ion:105 Resp: 13380

Ion	Ratio	Lower	Upper
105	100		
120	39.2	38.1	57.1
91	8.5	48.8	73.2#
77	12.1	19.0	28.4#