Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
Data File : VL043092.D
Acq On : 09 Oct 2025 17:17
Operator : SY/MD
Sample : Q3320-12 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV6DL

Quant Time: Oct 09 22:18:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.774	49	192317	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.936	114	513474	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.862	117	466022	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.357	95	390643	11.636	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 116.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.489	85	1569	0.048	ppbv	93
3) Chlorodifluoromethane	1.470	51	984	0.031	ppbv #	85
4) Chloromethane	1.525	50	482	0.041	ppbv	98
9) Propene	1.476	41	706	0.056	ppbv #	17
11) Trichlorofluoromethane	1.868	101	1202	0.036	ppbv	97
13) Ethanol	1.716	45	4105	7.690	ppbv #	31
15) Acetone	1.829	43	212161	7.879	ppbv	99
16) 1,3-Butadiene	1.615	39	346	0.031	ppbv #	75
17) tert-Butyl alcohol	2.033	59	9089	0.319	ppbv #	91
19) Isopropyl Alcohol	1.877	45	19030	1.475	ppbv #	1
20) Methylene Chloride	2.052	84	2400	0.204	ppbv #	86
23) Vinyl Acetate	2.444	43	1246	0.218	ppbv #	42
25) Ethyl Acetate	2.810	43	9963	0.147	ppbv #	77
26) Hexane	2.810	57	12903	0.497	ppbv #	32
34) 2-Butanone	2.551	43	3151	0.090	ppbv	98
36) Benzene	3.635	78	2406	0.049	ppbv	99
38) Trichloroethene	4.519	130	1598	0.078	ppbv #	86
39) 1,2-Dichloropropane	3.939	63	128349	7.058	ppbv #	22
51) 2-Hexanone	7.354	43	989	0.033	ppbv #	38
52) Tetrachloroethene	8.205	164	14210	0.782	ppbv	97
53) Toluene	6.907	91	7891	0.159	ppbv	97
58) Ethyl Benzene	9.335	91	56595	0.784	ppbv	92
59) m/p-Xylene	9.513	91	94743	1.556	ppbv	98
60) o-Xylene	9.946	91	19175	0.316	ppbv	98
79) Naphthalene	13.497	128	303	0.239	ppbv #	1
80) Naphthalene,2-methyl-	14.461	142	516	0.679	ppbv #	85

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

Quantitation Report (Not Reviewed)

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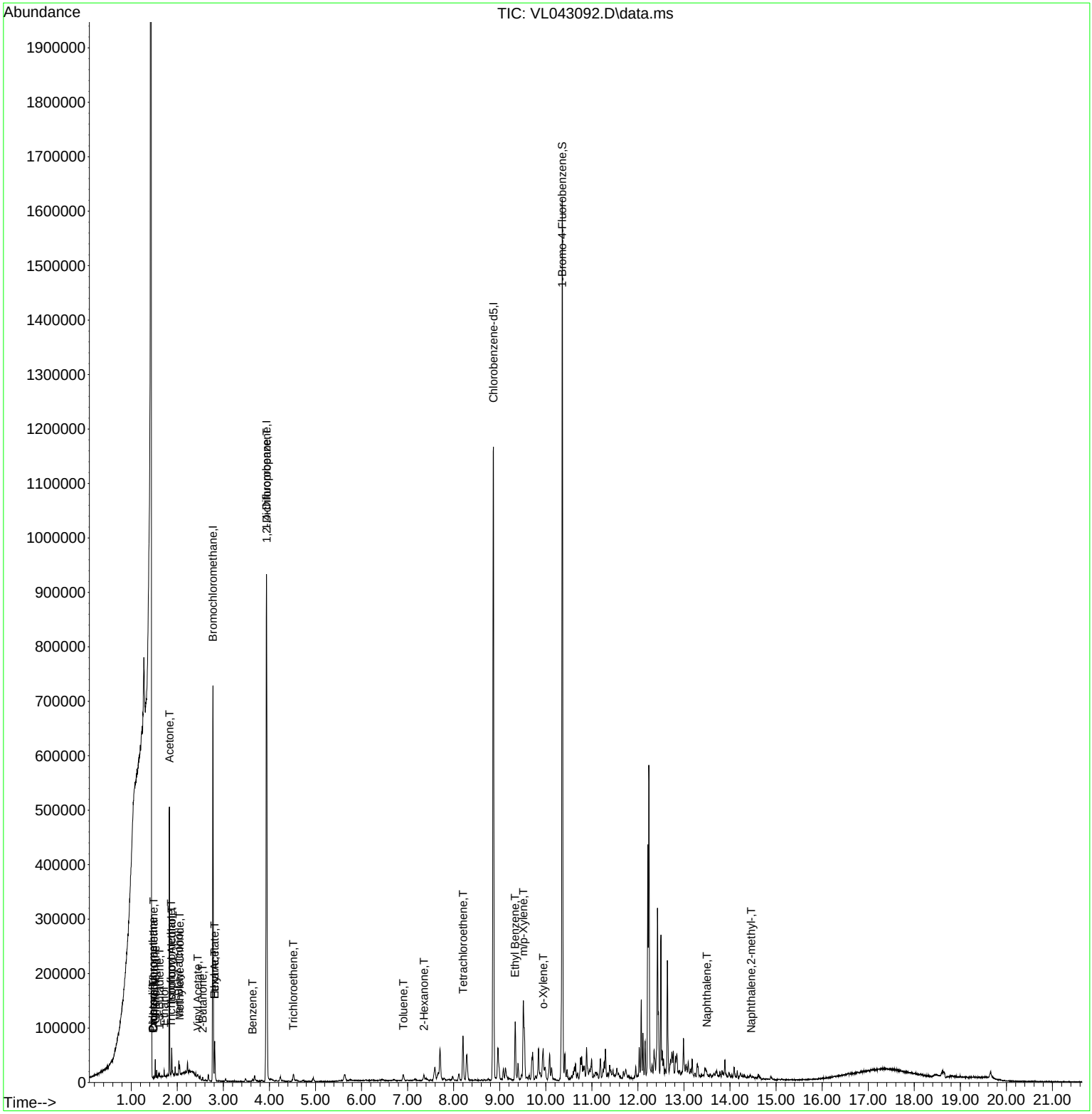
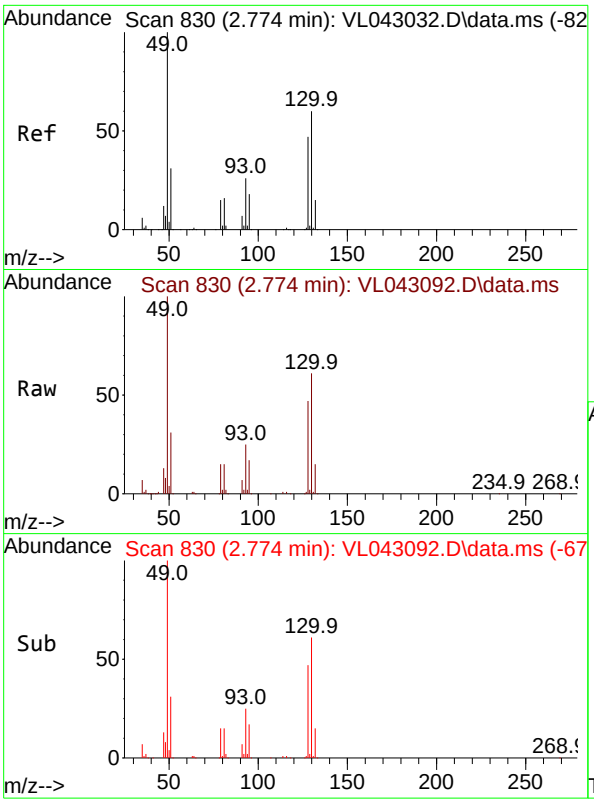


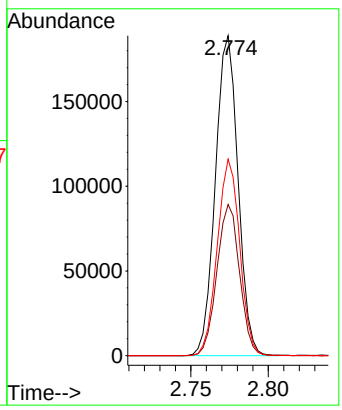


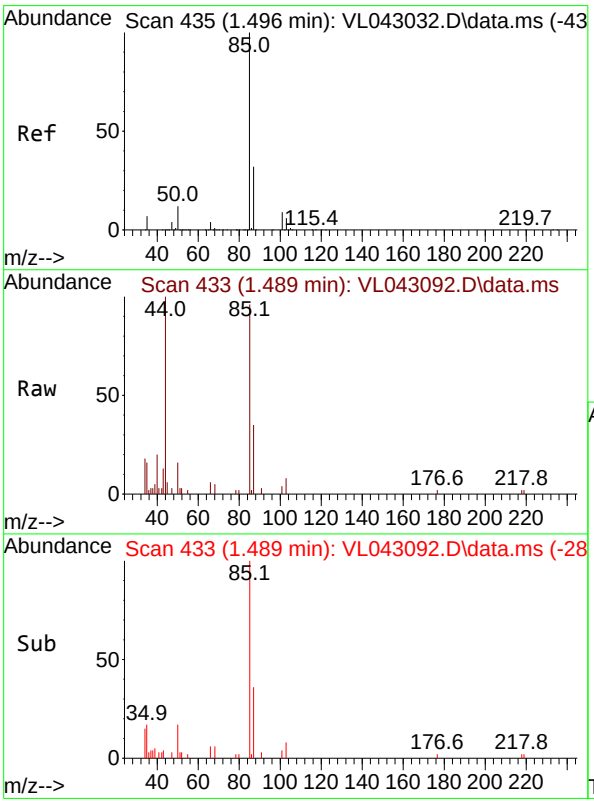
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.774 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Instrument :
MSVOA_L
ClientSampleId :
SV6DL

Tgt Ion: 49 Resp: 192317

Ion	Ratio	Lower	Upper
49	100		
128	47.3	24.1	72.2
130	60.9	31.4	94.3

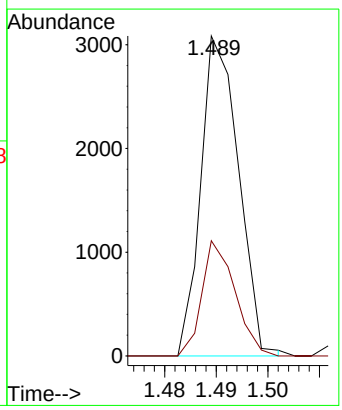


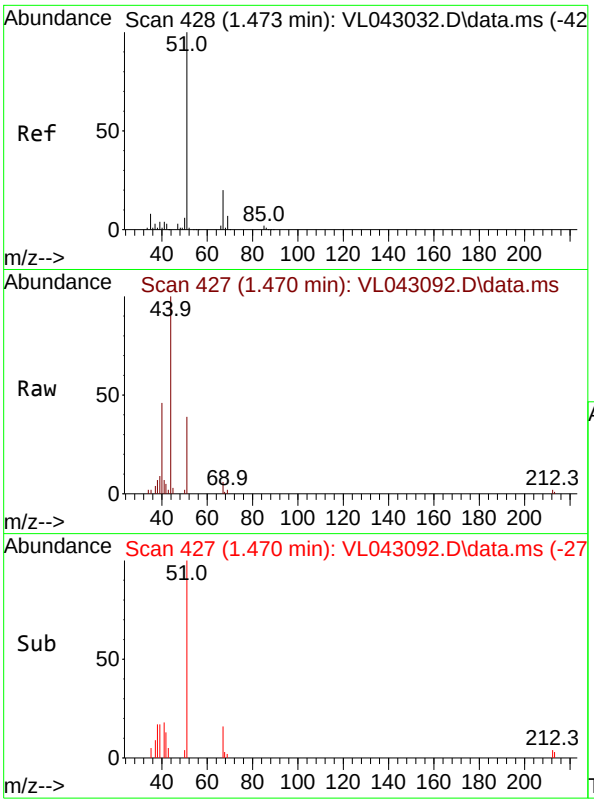


#2
Dichlorodifluoromethane
Concen: 0.048 ppbv
RT: 1.489 min Scan# 433
Delta R.T. -0.007 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Tgt Ion: 85 Resp: 1569

Ion	Ratio	Lower	Upper
85	100		
87	36.0	25.8	38.6



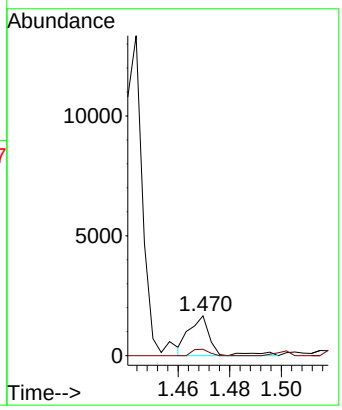


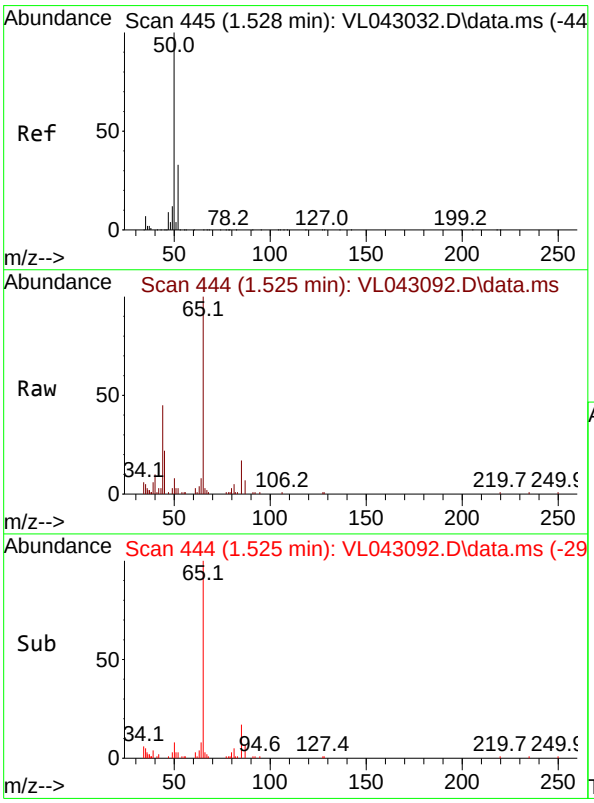
#3
Chlorodifluoromethane
Concen: 0.031 ppbv
RT: 1.470 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Instrument :
MSVOA_L
ClientSampleId :
SV6DL

Tgt Ion: 51 Resp: 984

Ion	Ratio	Lower	Upper
51	100		
67	12.2	15.1	22.7#

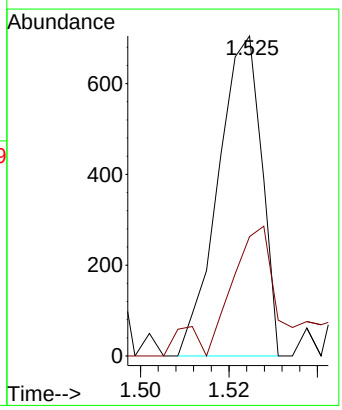


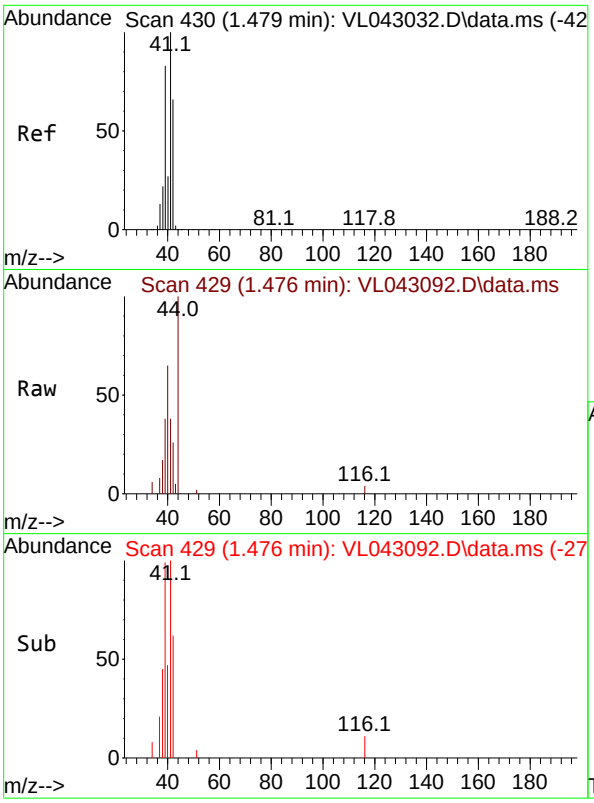


#4
Chloromethane
Concen: 0.041 ppbv
RT: 1.525 min Scan# 444
Delta R.T. -0.003 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Tgt Ion: 50 Resp: 482

Ion	Ratio	Lower	Upper
50	100		
52	31.5	26.2	39.2



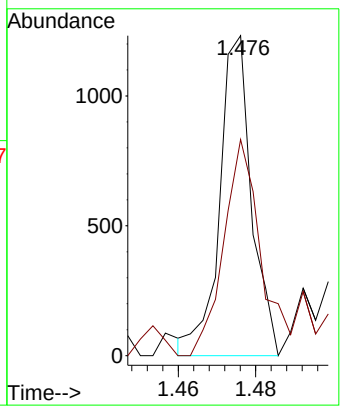


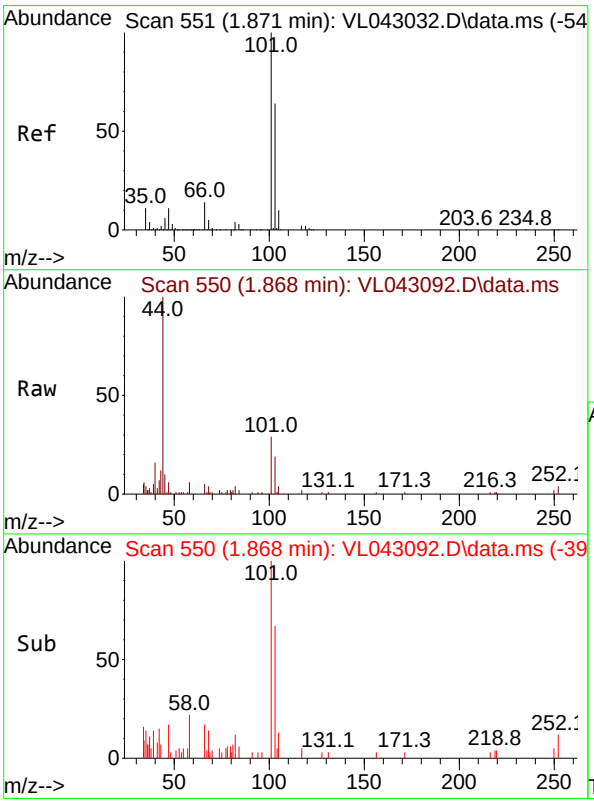
#9
Propene
Concen: 0.056 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Instrument :
MSVOA_L
ClientSampleId :
SV6DL

Tgt Ion: 41 Resp: 706

Ion	Ratio	Lower	Upper
41	100		
42	0.0	53.3	79.9#

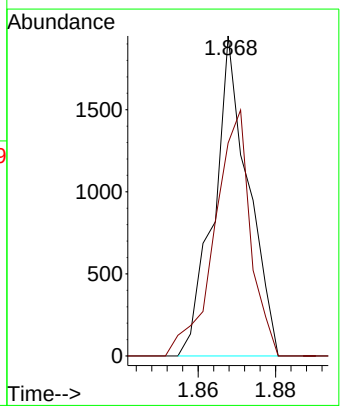


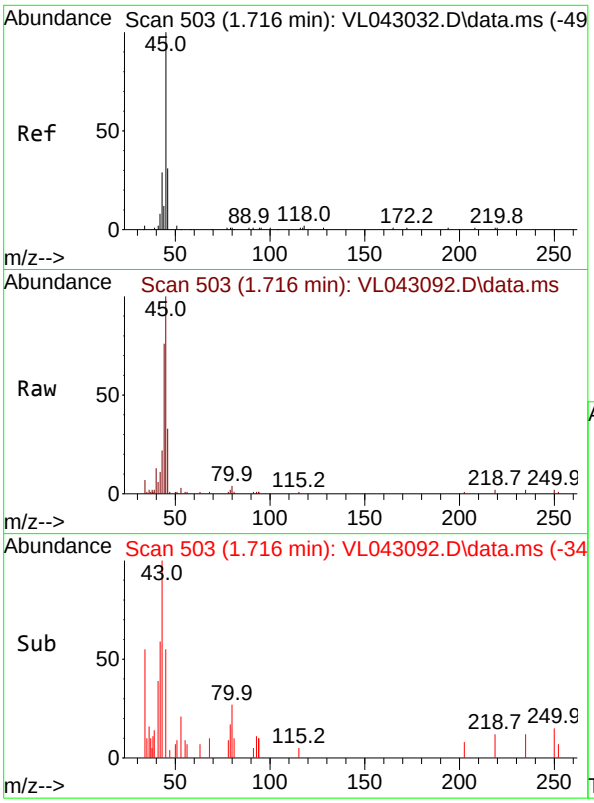


#11
Trichlorofluoromethane
Concen: 0.036 ppbv
RT: 1.868 min Scan# 550
Delta R.T. -0.003 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Tgt Ion:101 Resp: 1202

Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.1	76.7



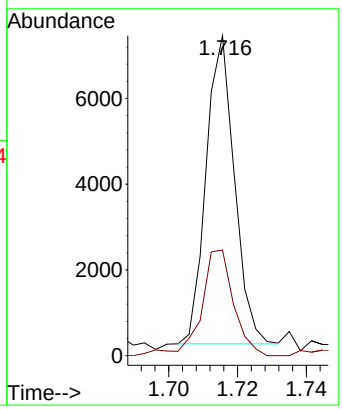


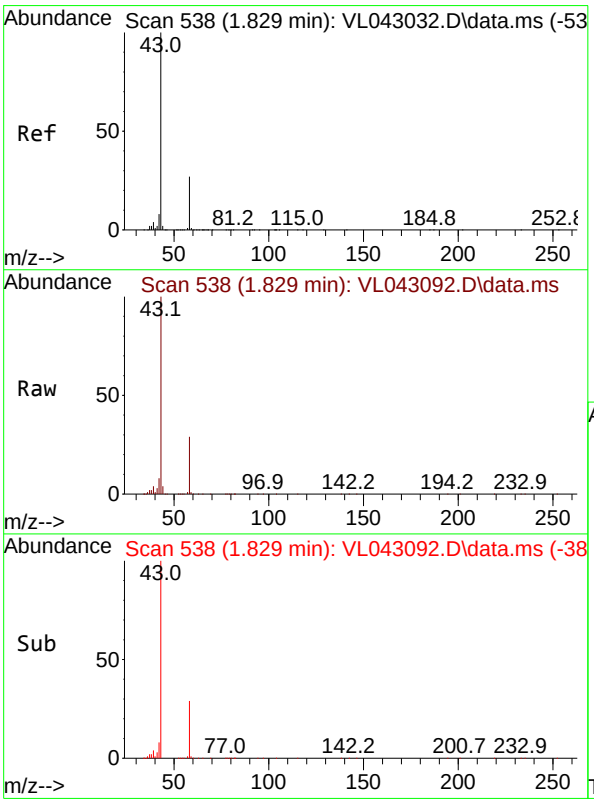
#13
Ethanol
Concen: 7.690 ppbv
RT: 1.716 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Instrument :
MSVOA_L
ClientSampleId :
SV6DL

Tgt Ion: 45 Resp: 4105

Ion	Ratio	Lower	Upper
45	100		
46	0.0	17.8	71.4#

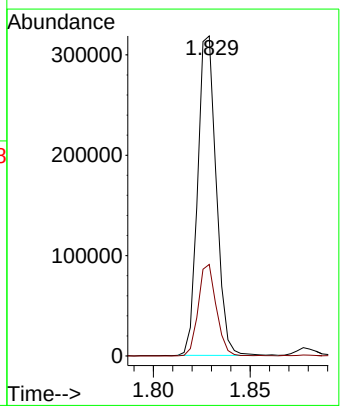


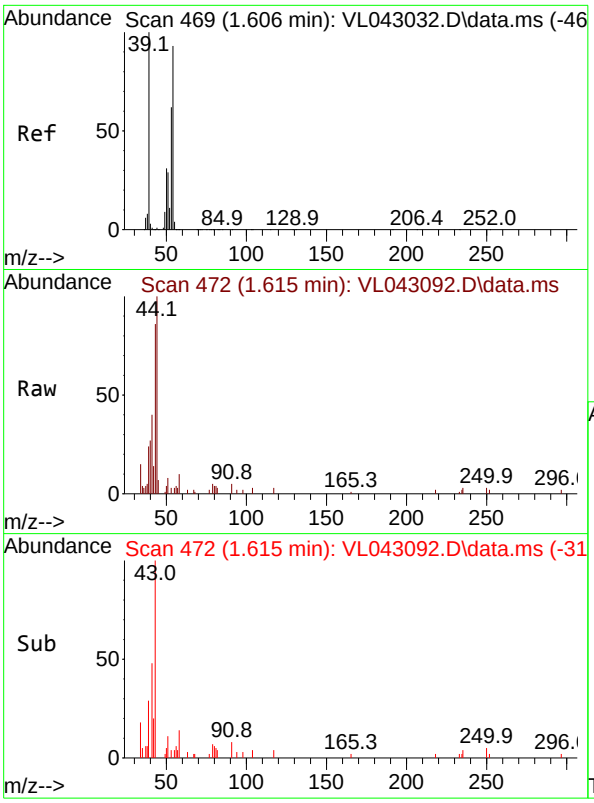


#15
Acetone
Concen: 7.879 ppbv
RT: 1.829 min Scan# 538
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Tgt Ion: 43 Resp: 212161

Ion	Ratio	Lower	Upper
43	100		
58	28.1	22.2	33.4



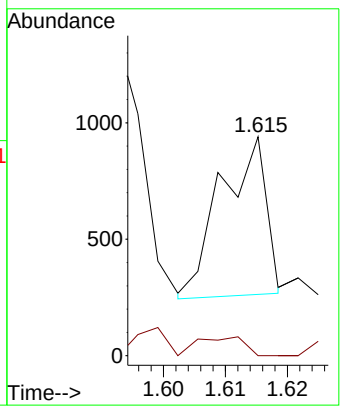


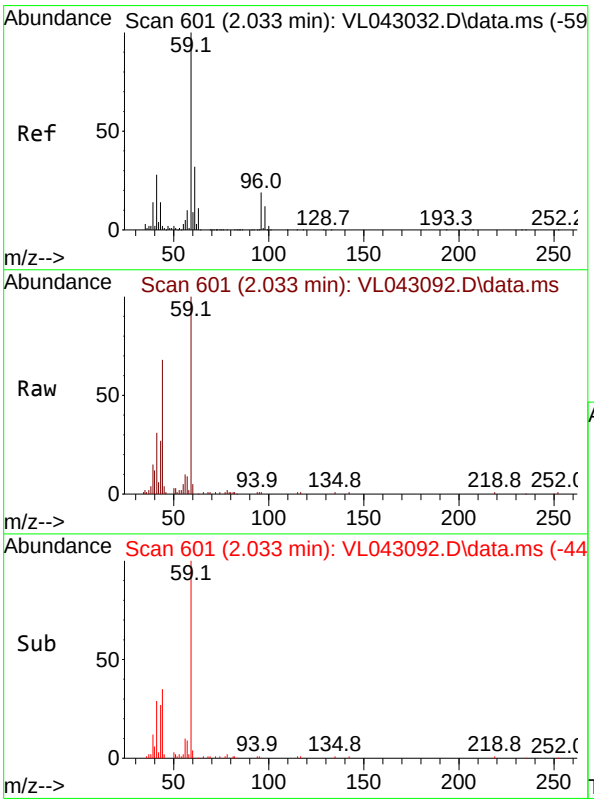
#16
1,3-Butadiene
Concen: 0.031 ppbv
RT: 1.615 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Instrument :
MSVOA_L
ClientSampleId :
SV6DL

Tgt Ion: 39 Resp: 346

Ion	Ratio	Lower	Upper
39	100		
54	55.5	61.4	92.2#

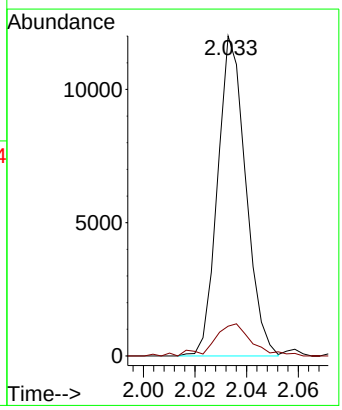


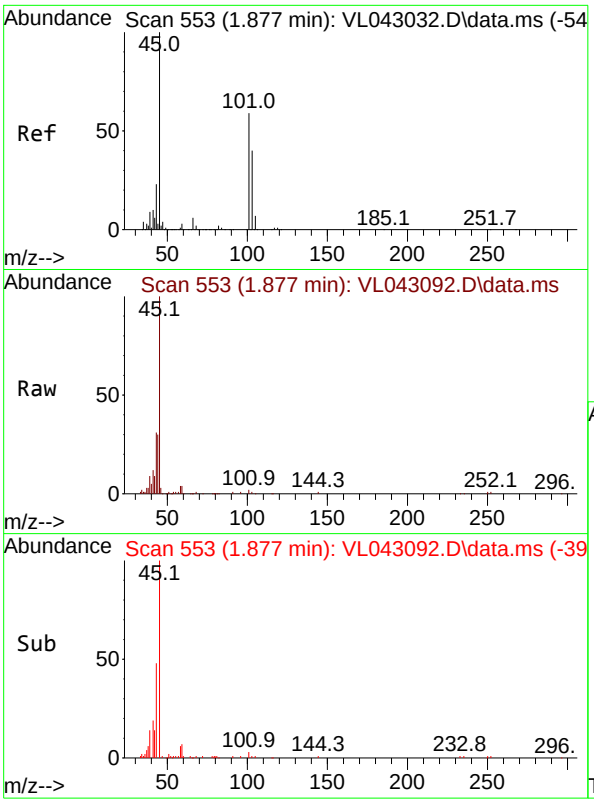


#17
tert-Butyl alcohol
Concen: 0.319 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Tgt Ion: 59 Resp: 9089

Ion	Ratio	Lower	Upper
59	100		
57	13.8	8.5	12.7#



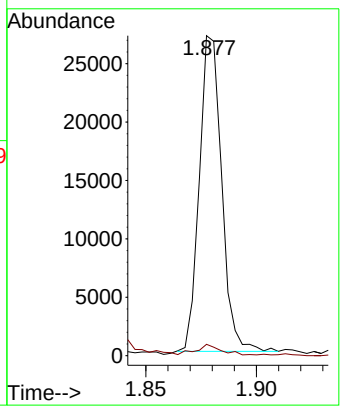


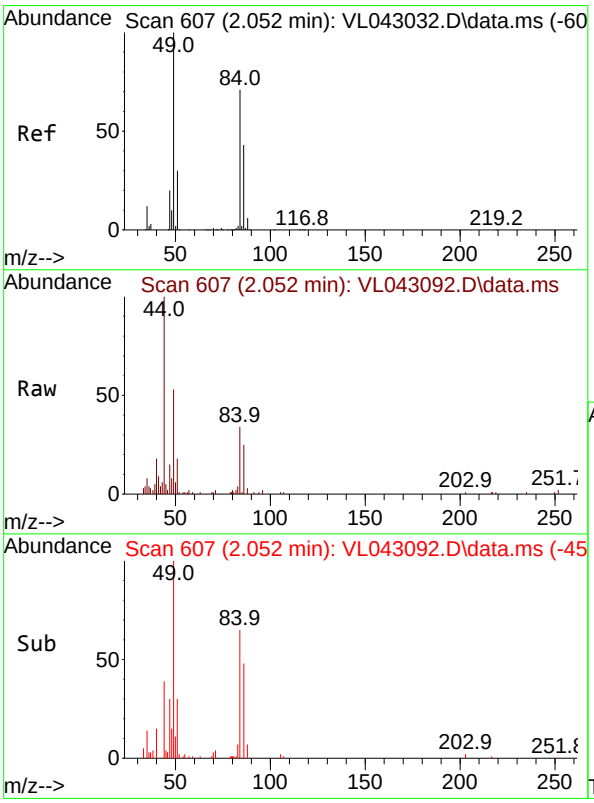
#19
Isopropyl Alcohol
Concen: 1.475 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Instrument :
MSVOA_L
ClientSampleId :
SV6DL

Tgt Ion: 45 Resp: 19030

Ion	Ratio	Lower	Upper
45	100		
58	312.9	42.3	63.5#

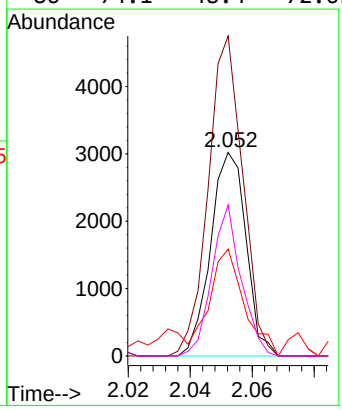


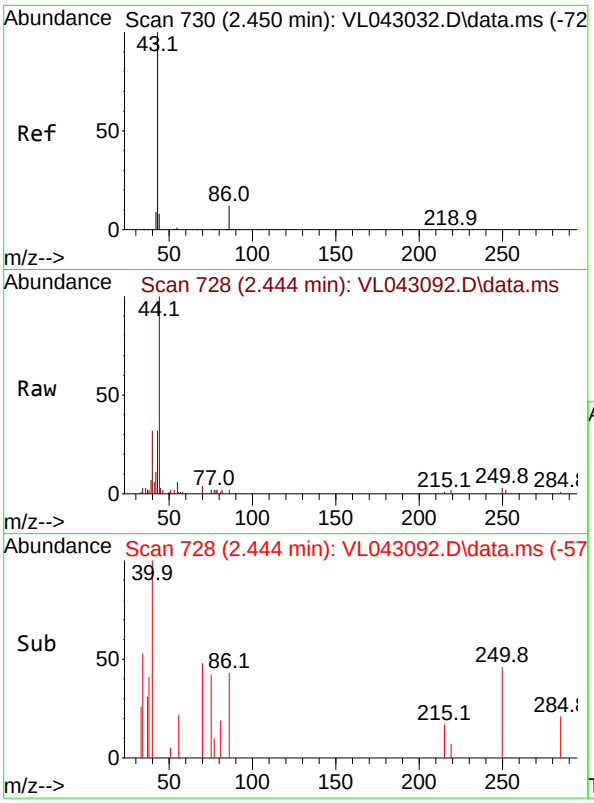


#20
Methylene Chloride
Concen: 0.204 ppbv
RT: 2.052 min Scan# 607
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Tgt Ion: 84 Resp: 2400

Ion	Ratio	Lower	Upper
84	100		
49	155.0	112.5	168.7
51	52.5	34.2	51.2#
86	74.1	48.4	72.6#



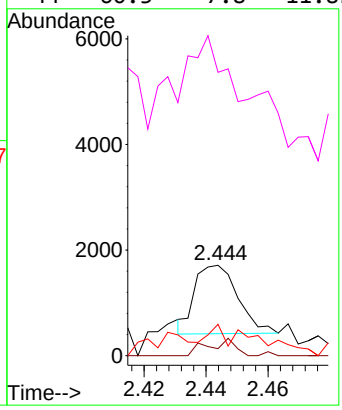


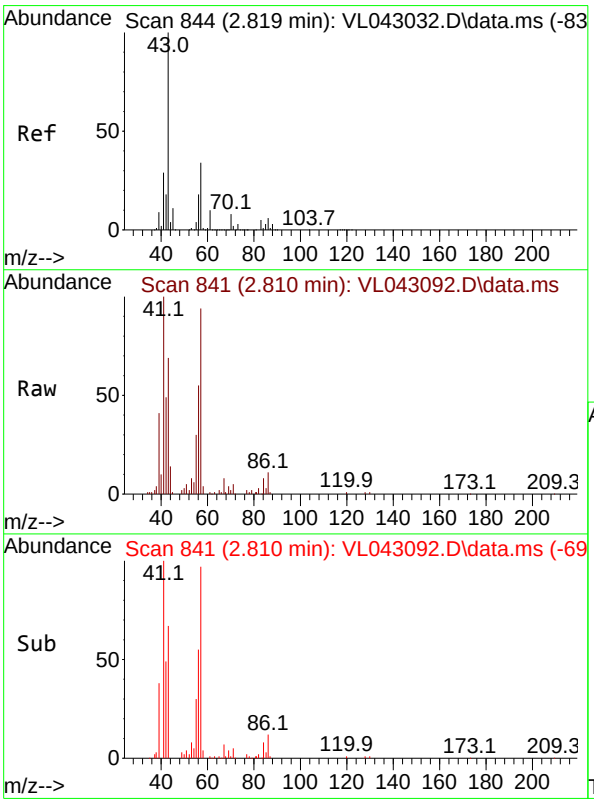
#23
Vinyl Acetate
Concen: 0.218 ppbv
RT: 2.444 min Scan# 7
Delta R.T. -0.007 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Instrument :
MSVOA_L
ClientSampleId :
SV6DL

Tgt Ion: 43 Resp: 1246

Ion	Ratio	Lower	Upper
43	100		
86	10.4	7.5	11.3
42	23.3	8.4	12.6#
44	60.3	7.8	11.8#

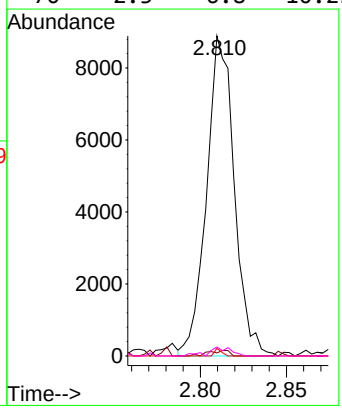


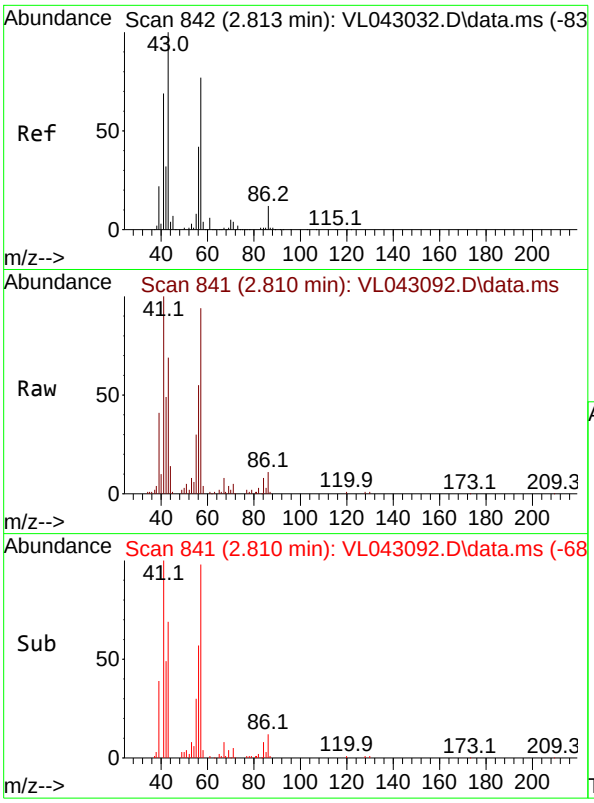


#25
Ethyl Acetate
Concen: 0.147 ppbv
RT: 2.810 min Scan# 841
Delta R.T. -0.010 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Tgt Ion: 43 Resp: 9963

Ion	Ratio	Lower	Upper
43	100		
45	1.3	8.3	12.5#
61	0.0	7.5	11.3#
70	2.3	6.8	10.2#



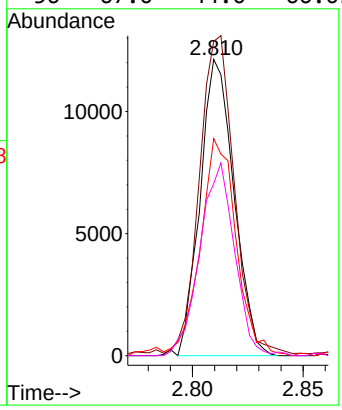


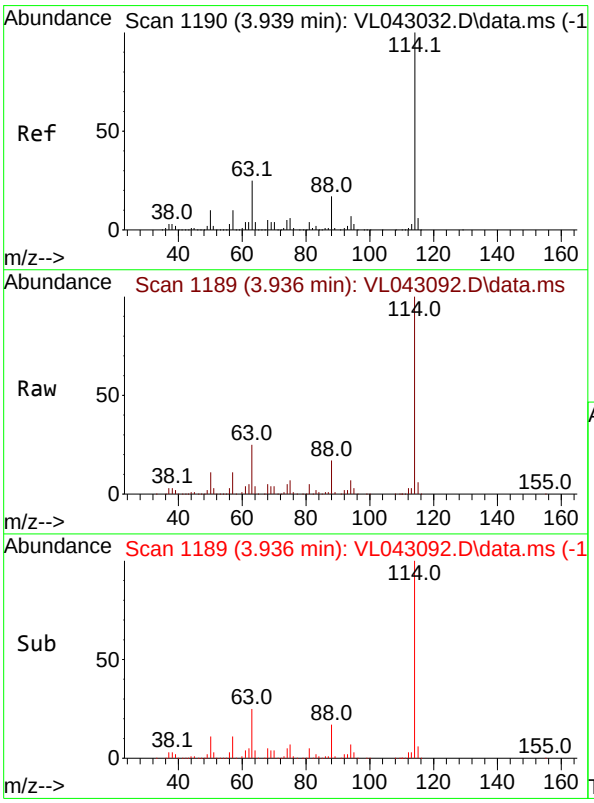
#26
Hexane
Concen: 0.497 ppbv
RT: 2.810 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Instrument :
MSVOA_L
ClientSampleId :
SV6DL

Tgt Ion: 57 Resp: 12903

Ion	Ratio	Lower	Upper
57	100		
41	114.8	76.1	114.1#
43	81.0	201.4	302.0#
56	67.0	44.0	66.0#

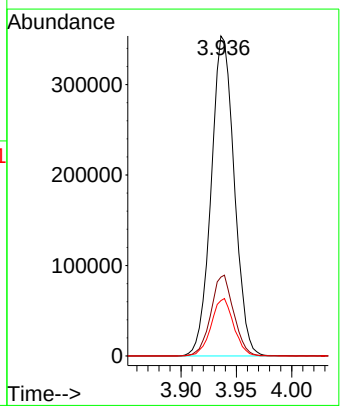


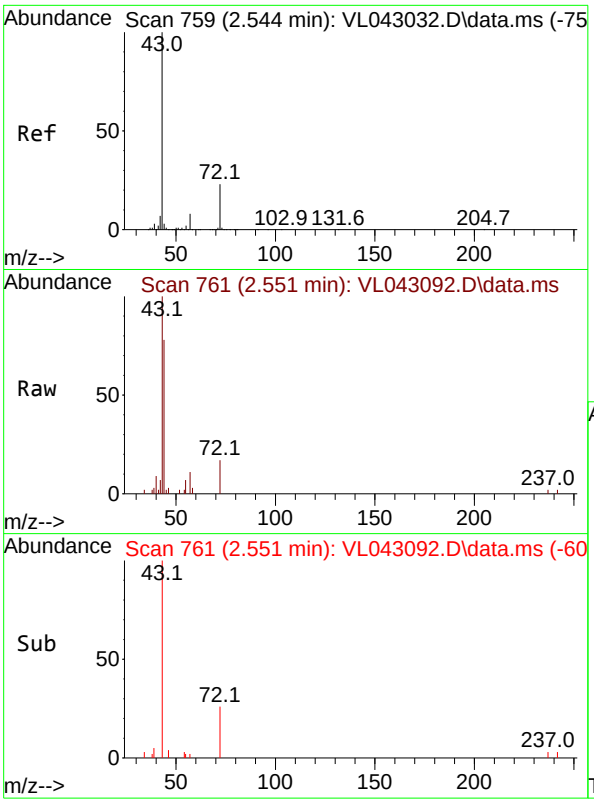


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.936 min Scan# 1189
Delta R.T. -0.003 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Tgt Ion:114 Resp: 513474

Ion	Ratio	Lower	Upper
114	100		
63	25.1	19.4	29.2
88	17.5	13.9	20.9



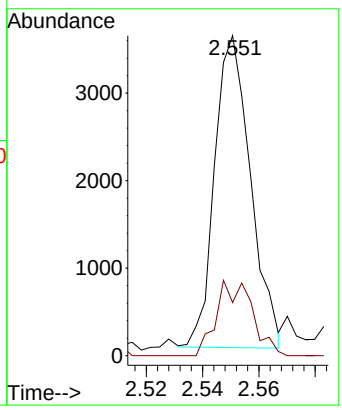


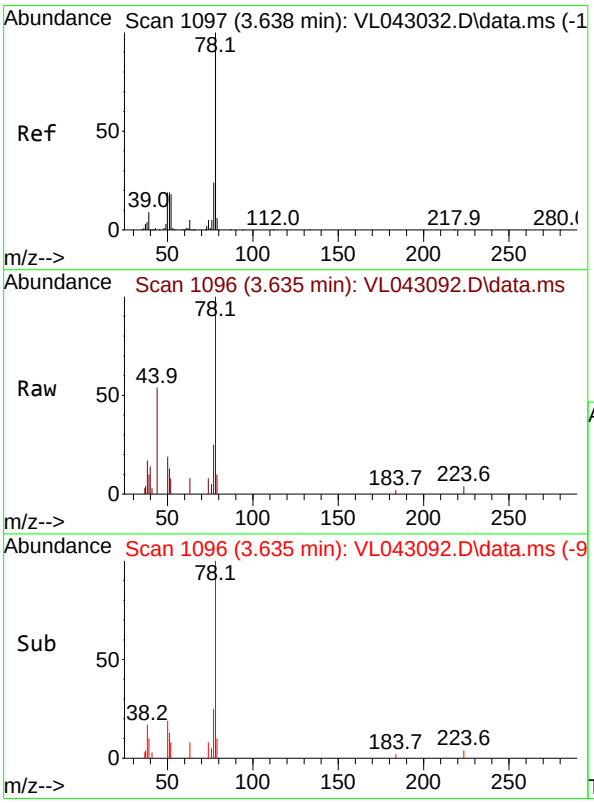
#34
2-Butanone
Concen: 0.090 ppbv
RT: 2.551 min Scan# 7
Delta R.T. 0.006 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Instrument :
MSVOA_L
ClientSampleId :
SV6DL

Tgt Ion: 43 Resp: 3151

Ion	Ratio	Lower	Upper
43	100		
72	24.0	18.4	27.6

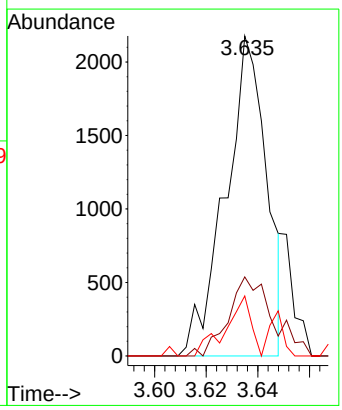


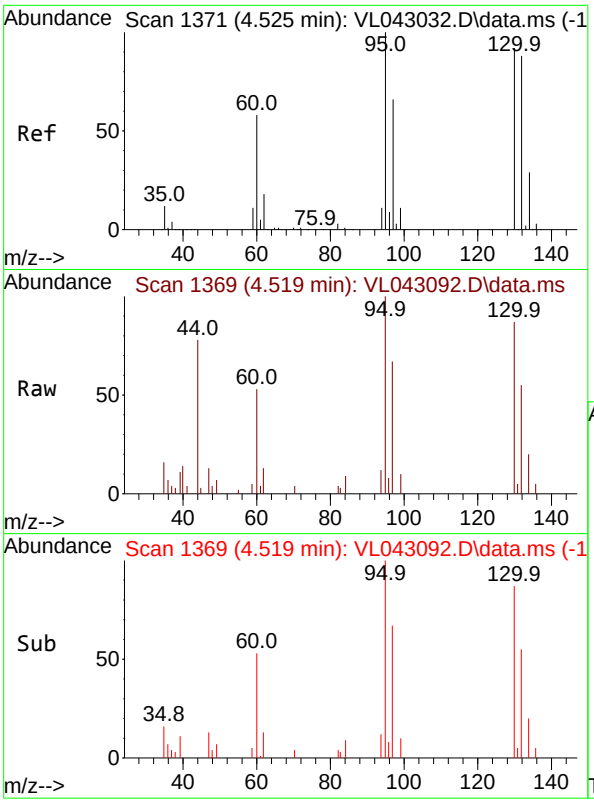


#36
Benzene
Concen: 0.049 ppbv
RT: 3.635 min Scan# 1096
Delta R.T. -0.003 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Tgt Ion: 78 Resp: 2406

Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.2	28.8
50	18.8	14.9	22.3



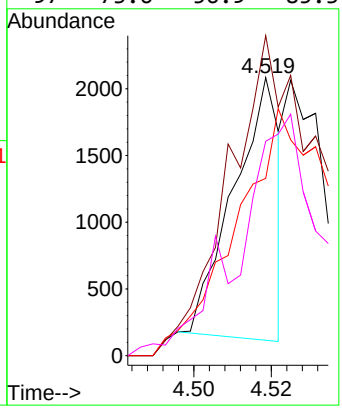


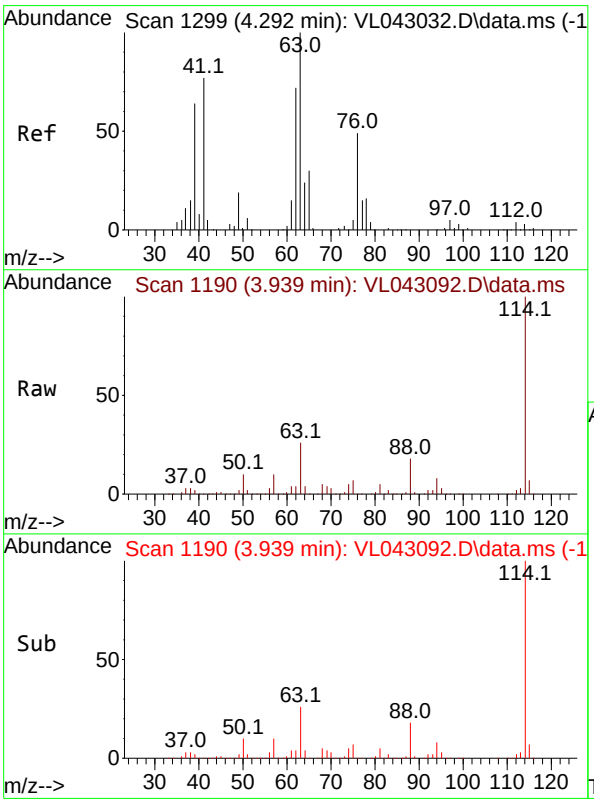
#38
Trichloroethene
Concen: 0.078 ppbv
RT: 4.519 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Instrument :
MSVOA_L
ClientSampleId :
SV6DL

Tgt Ion:130 Resp: 1598

Ion	Ratio	Lower	Upper
130	100		
95	109.5	86.4	129.6
132	59.9	75.7	113.5#
97	73.6	56.9	85.3

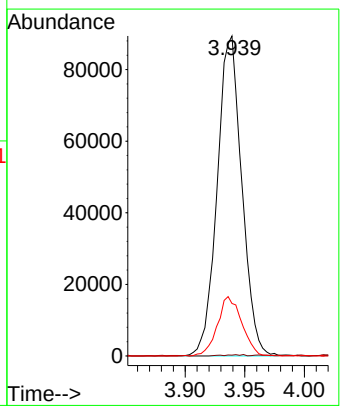


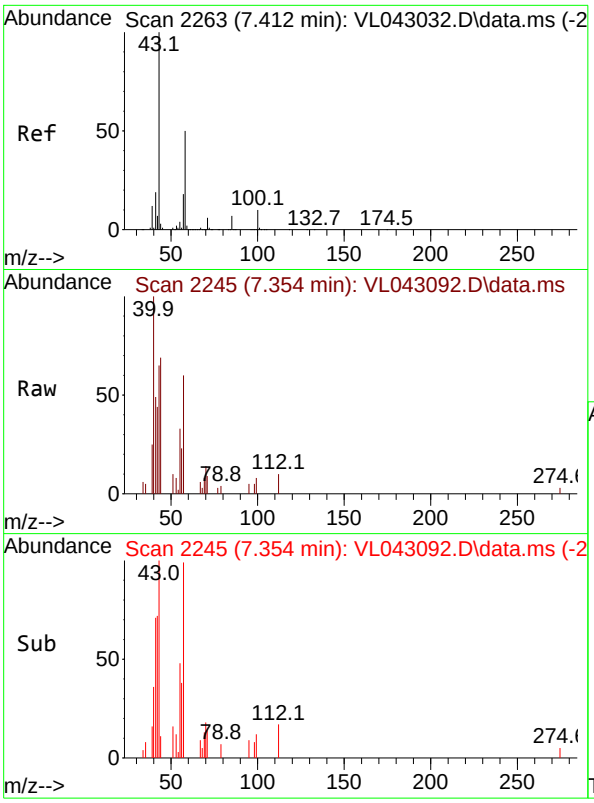


#39
1,2-Dichloropropane
Concen: 7.058 ppbv
RT: 3.939 min Scan# 1190
Delta R.T. -0.353 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Tgt Ion: 63 Resp: 128349

Ion	Ratio	Lower	Upper
63	100		
41	0.1	61.6	92.4#
62	16.4	58.1	87.1#



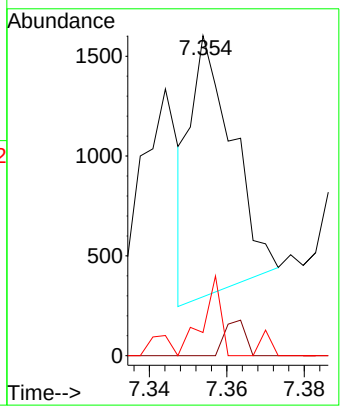


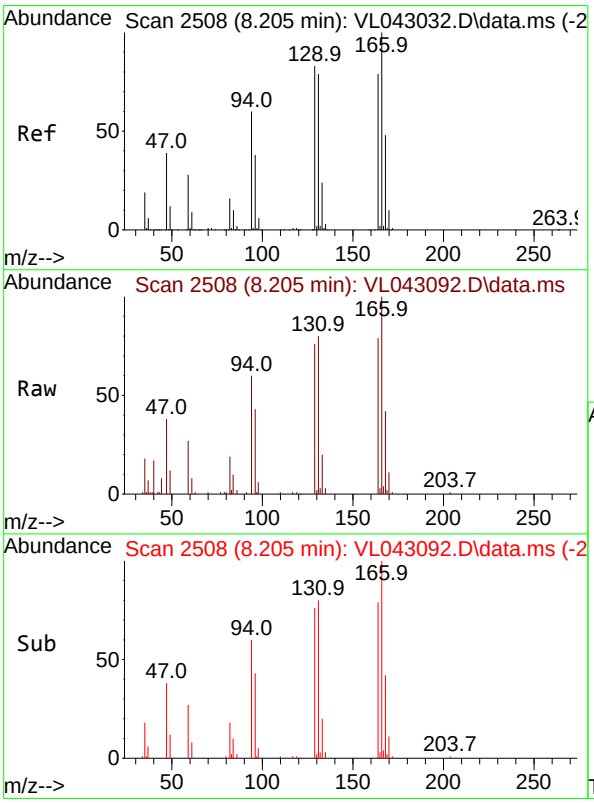
#51
2-Hexanone
Concen: 0.033 ppbv
RT: 7.354 min Scan# 2
Delta R.T. -0.058 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Instrument :
MSVOA_L
ClientSampleId :
SV6DL

Tgt Ion: 43 Resp: 989

Ion	Ratio	Lower	Upper
43	100		
58	6.6	39.1	58.7#
98	22.0	0.5	0.7#

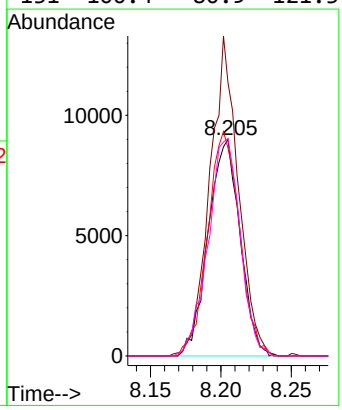


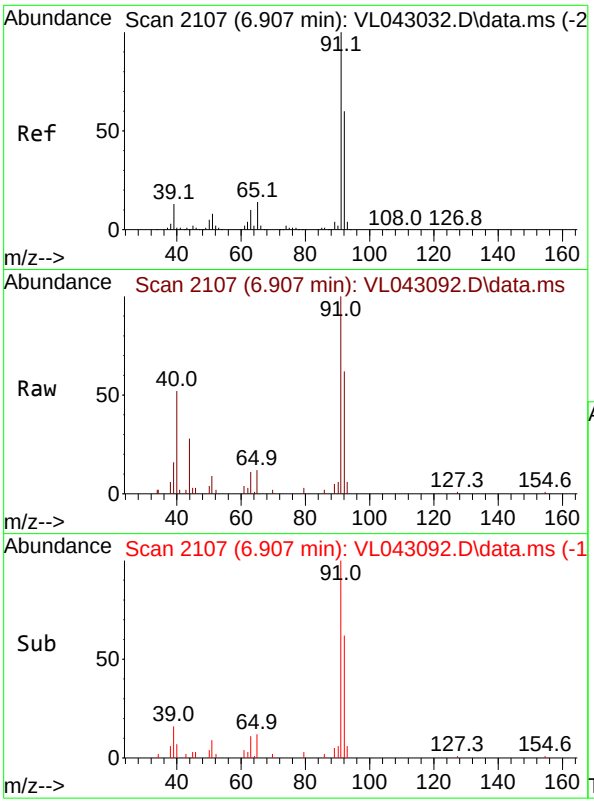


#52
Tetrachloroethene
Concen: 0.782 ppbv
RT: 8.205 min Scan# 2508
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Tgt Ion:164 Resp: 14210

Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.8	152.8
129	96.1	84.5	126.7
131	100.4	80.9	121.3



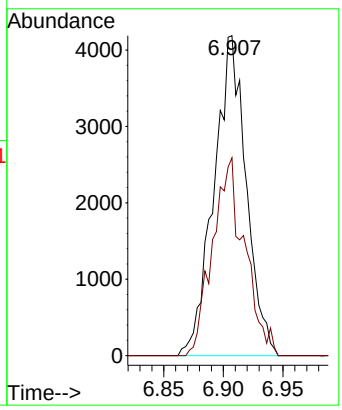


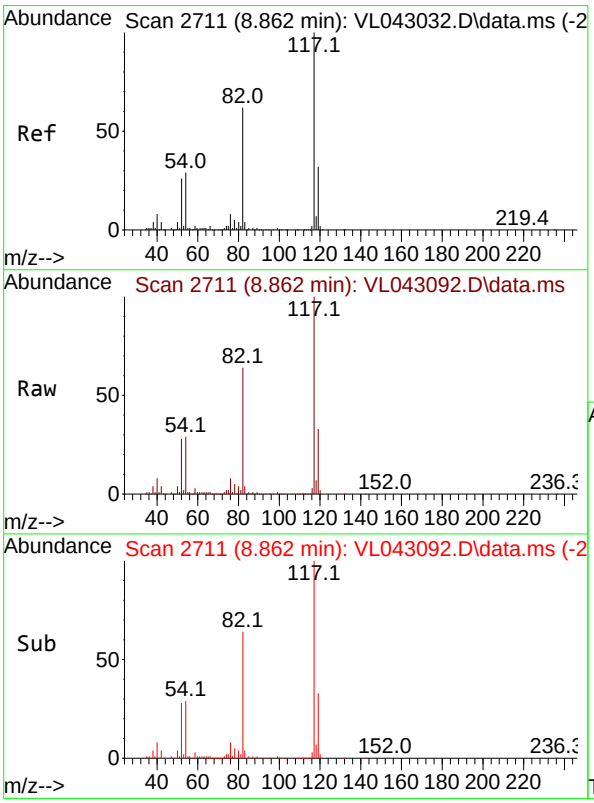
#53
Toluene
Concen: 0.159 ppbv
RT: 6.907 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Instrument :
MSVOA_L
ClientSampleId :
SV6DL

Tgt Ion: 91 Resp: 7891

Ion	Ratio	Lower	Upper
91	100		
92	61.6	47.8	71.6

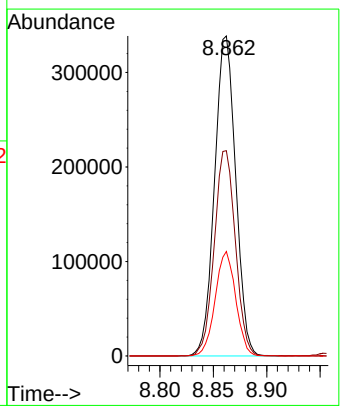


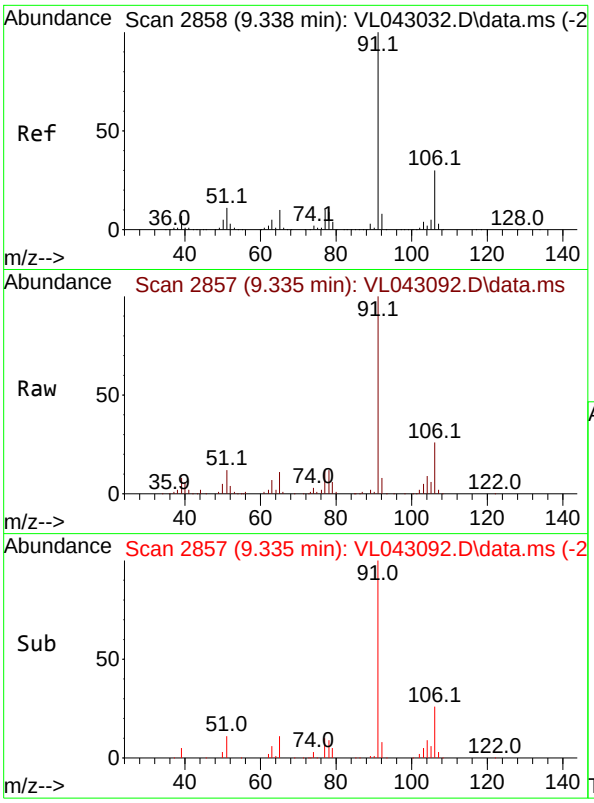


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.862 min Scan# 2711
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Tgt Ion:117 Resp: 466022

Ion	Ratio	Lower	Upper
117	100		
82	64.4	53.0	79.6
119	31.8	25.4	38.2



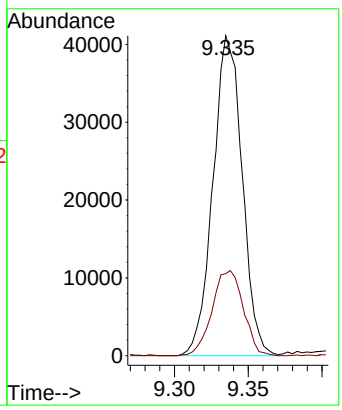


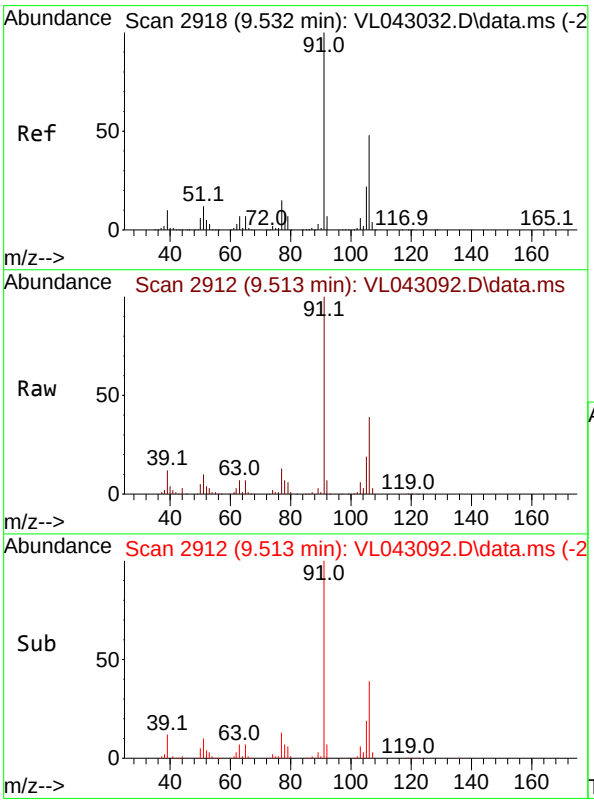
#58
Ethyl Benzene
Concen: 0.784 ppbv
RT: 9.335 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Instrument :
MSVOA_L
ClientSampleId :
SV6DL

Tgt Ion: 91 Resp: 56595

Ion	Ratio	Lower	Upper
91	100		
106	25.7	24.1	36.1

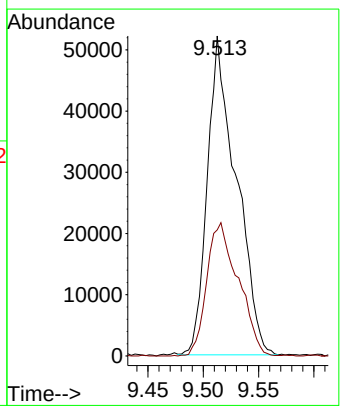


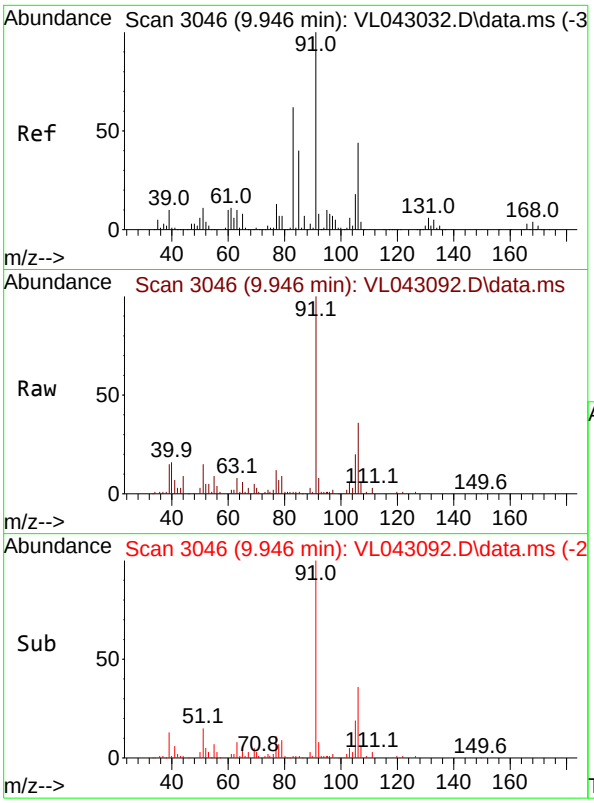


#59
m/p-Xylene
Concen: 1.556 ppbv
RT: 9.513 min Scan# 2912
Delta R.T. -0.019 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Tgt Ion: 91 Resp: 94743

Ion	Ratio	Lower	Upper
91	100		
106	45.7	37.5	56.3



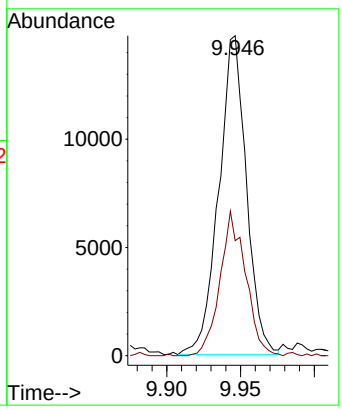


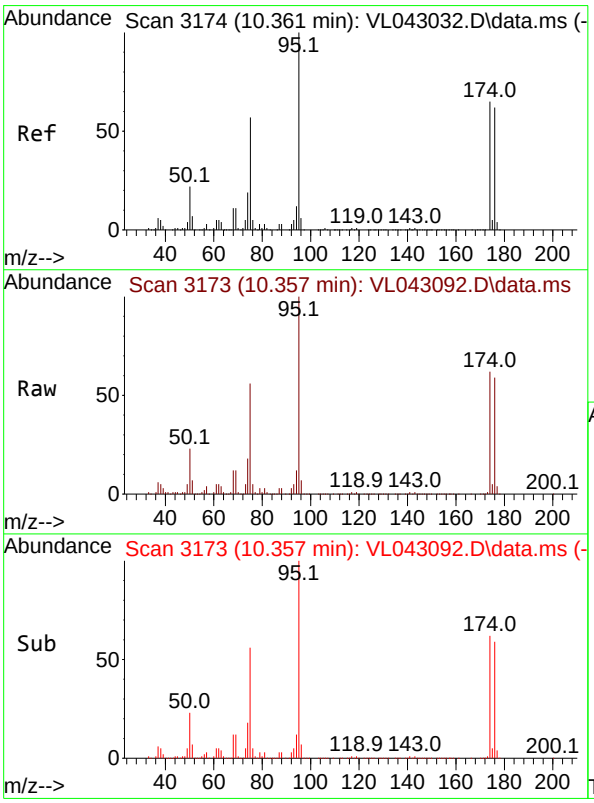
#60
o-Xylene
Concen: 0.316 ppbv
RT: 9.946 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Instrument :
MSVOA_L
ClientSampleId :
SV6DL

Tgt Ion: 91 Resp: 19175

Ion	Ratio	Lower	Upper
91	100		
106	42.6	21.9	65.5

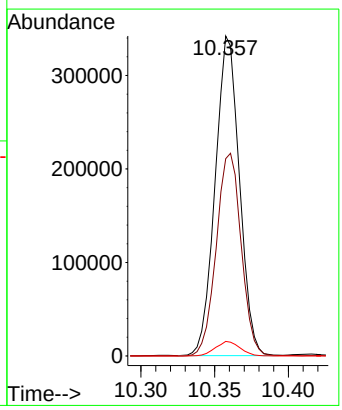


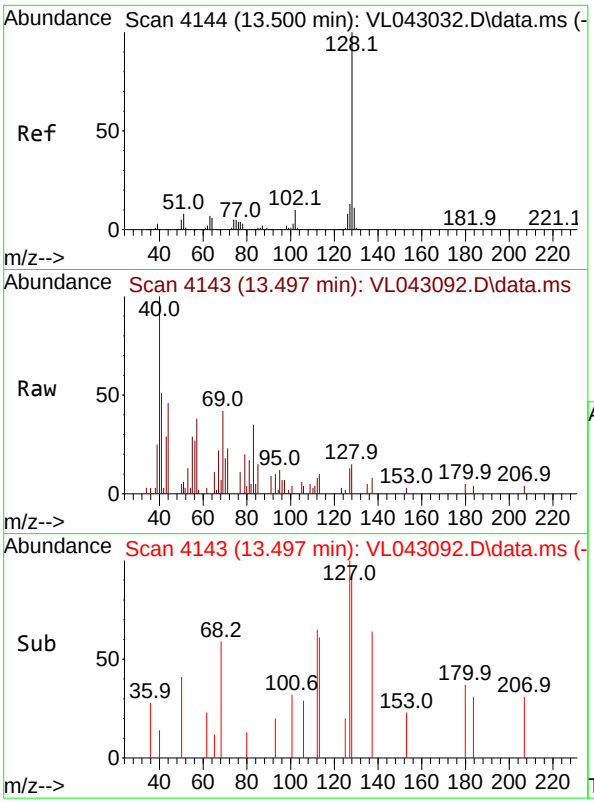


#68
1-Bromo-4-Fluorobenzene
Concen: 11.636 ppbv
RT: 10.357 min Scan# 3173
Delta R.T. -0.003 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Tgt Ion: 95 Resp: 390643

Ion	Ratio	Lower	Upper
95	100		
174	65.4	52.3	78.5
175	4.6	3.8	5.8



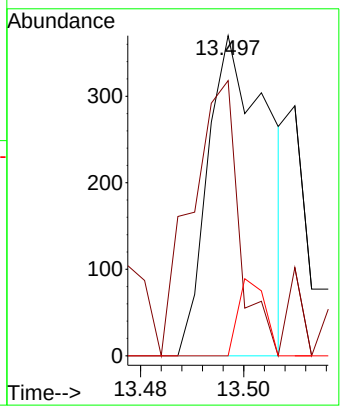


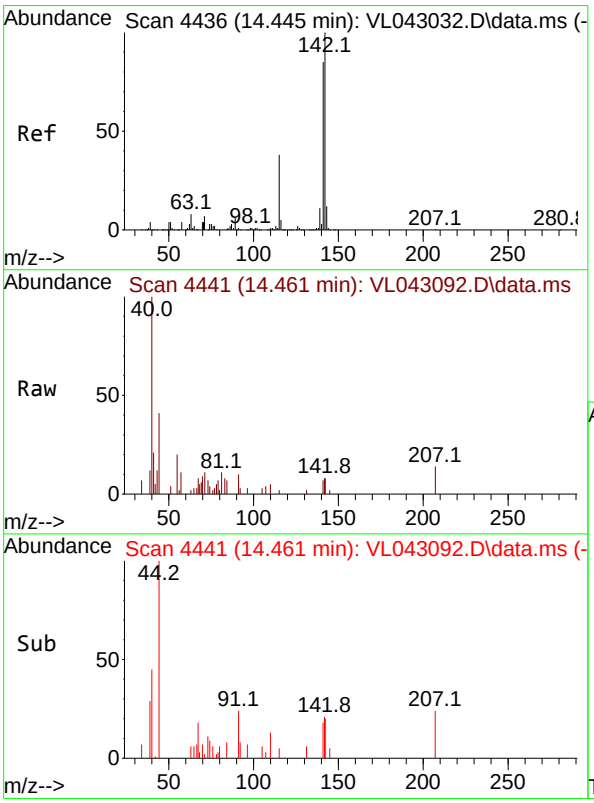
#79
Naphthalene
Concen: 0.239 ppbv
RT: 13.497 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Instrument :
MSVOA_L
ClientSampleId :
SV6DL

Tgt Ion:128 Resp: 303

Ion	Ratio	Lower	Upper
128	100		
127	85.9	10.6	16.0#
129	0.0	8.8	13.2#





#80
Naphthalene,2-methyl-
Concen: 0.679 ppbv
RT: 14.461 min Scan# 4441
Delta R.T. 0.016 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Tgt Ion:142 Resp: 516

Ion	Ratio	Lower	Upper
142	100		
141	74.0	66.6	100.0
115	52.3	30.1	45.1#