Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086892.D
Acq On : 09 Jun 2025 10:29
Operator : JC\MD
Sample : Q2216-01
Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
3898

Quant Time: Jun 09 13:27:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.230	168	372839	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.106	114	665427	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	556450	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	252502	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.582	65	219865	44.044	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 88.080%				
35) Dibromofluoromethane	8.171	113	189019	47.932	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.860%				
50) Toluene-d8	10.565	98	784018	50.222	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.440%				
62) 4-Bromofluorobenzene	12.847	95	258566	44.580	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.160%				
Target Compounds							Qvalue
10) Methyl Iodide	4.589	142	20476	3.886	ug/l		98
16) Acetone	4.471	43	7537	2.847	ug/l		93
18) Methyl Acetate	5.053	43	3596	0.466	ug/l	#	89
20) Methylene Chloride	5.289	84	1637	0.330	ug/l	#	84
39) Methylcyclohexane	9.600	83	10845	1.347	ug/l		88
41) Methacrylonitrile	7.759	41	222735	53.019	ug/l	#	40
52) Toluene	10.629	92	3291617	280.305	ug/l		98
67) Ethyl Benzene	11.965	91	298682	14.129	ug/l		99
68) m/p-Xylenes	12.065	106	489437	60.483	ug/l		97
69) o-Xylene	12.394	106	100618	12.983	ug/l		97
73) Isopropylbenzene	12.700	105	5528	0.301	ug/l		99
78) n-propylbenzene	13.035	91	14373	0.643	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	10519	0.693	ug/l		92
84) 1,2,4-Trimethylbenzene	13.482	105	37478	2.461	ug/l		94
85) sec-Butylbenzene	13.612	105	4278	0.212	ug/l		99
89) n-Butylbenzene	14.053	91	7043	0.436	ug/l	#	82

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

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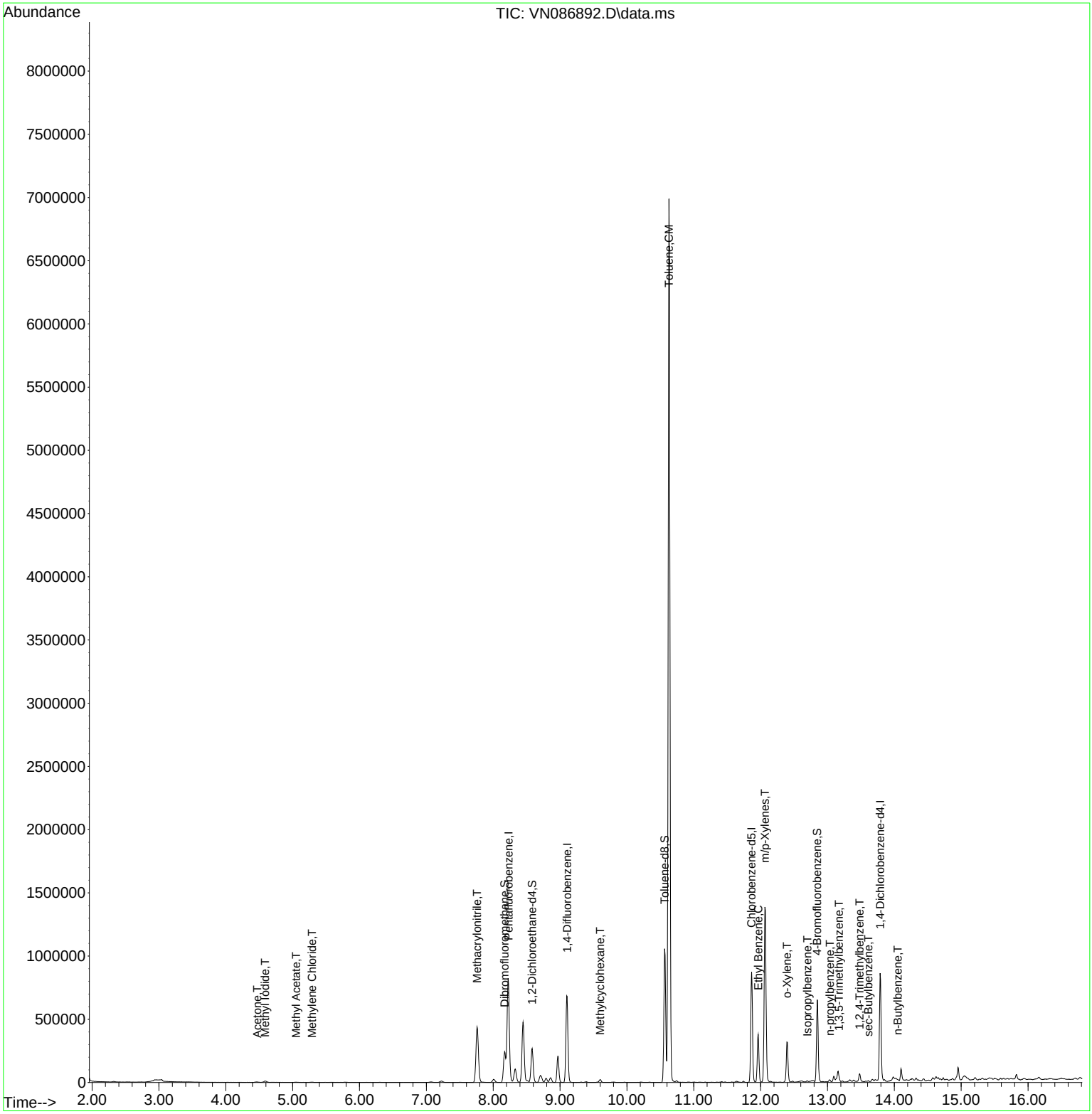
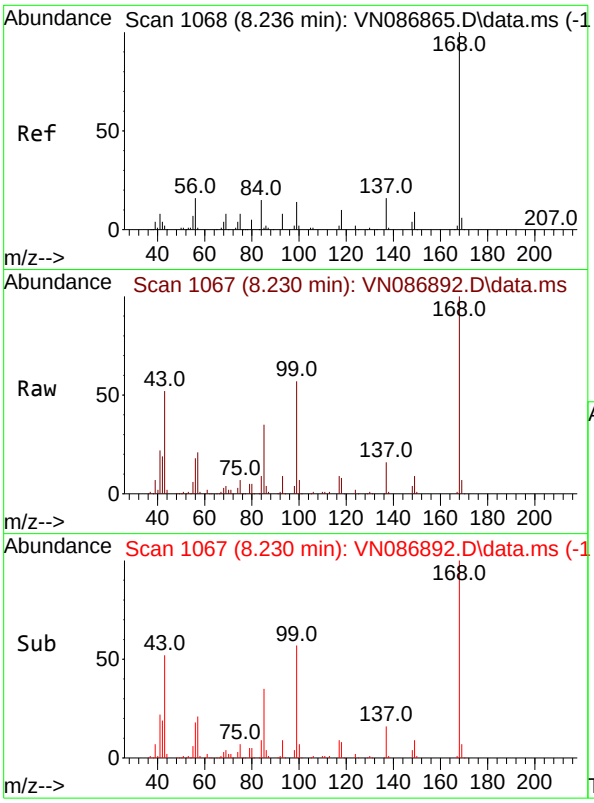
3898

Quant Time: Jun 09 13:27:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



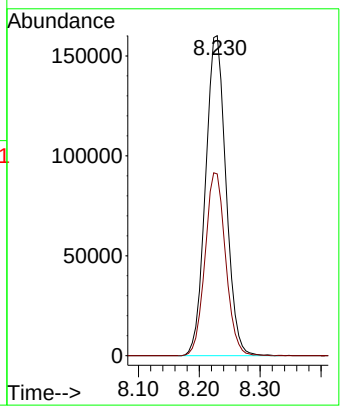


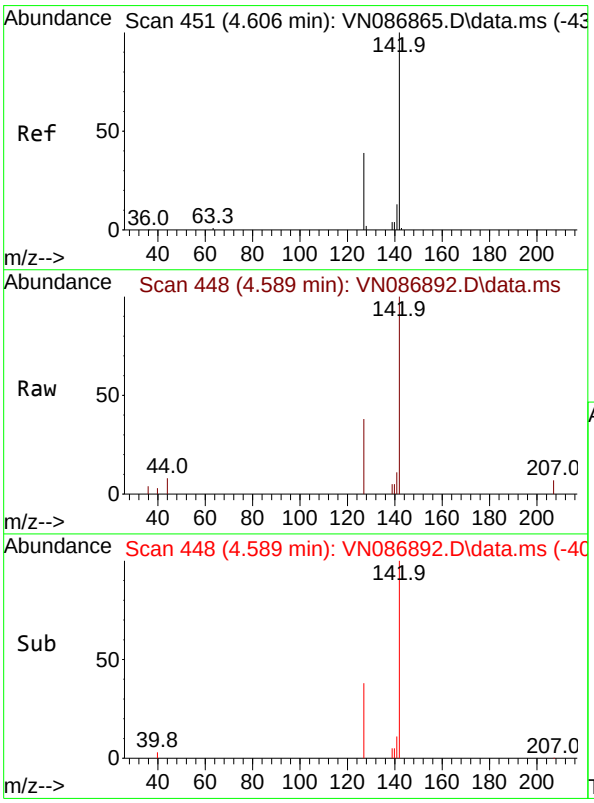
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086892.D
Acq: 09 Jun 2025 10:29

Instrument :
MSVOA_N
ClientSampleId :
3898

Tgt Ion:168 Resp: 372839

Ion	Ratio	Lower	Upper
168	100		
99	56.8	49.1	73.7

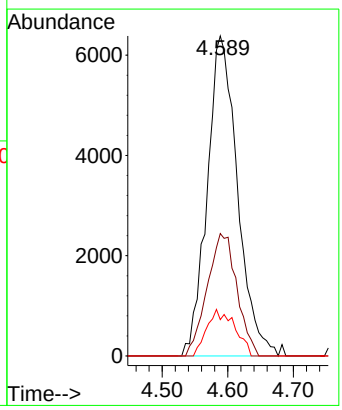


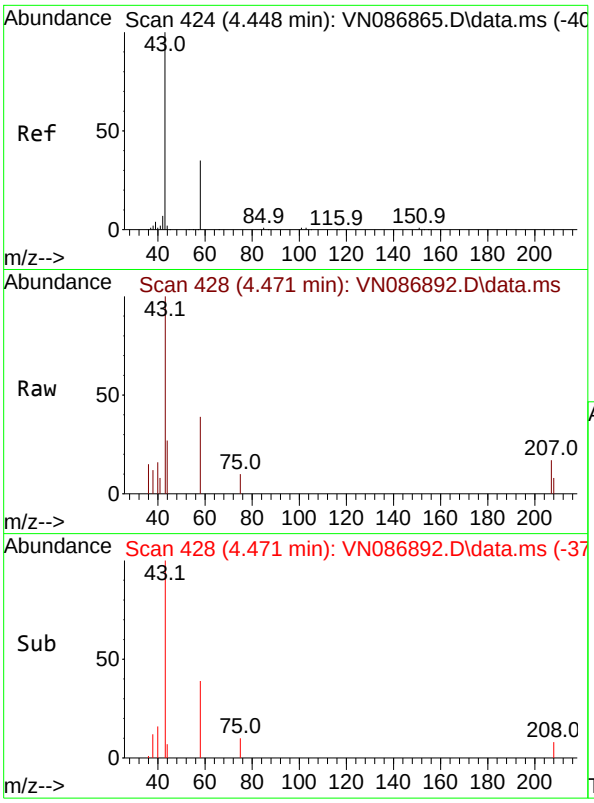


#10
Methyl Iodide
Concen: 3.886 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.018 min
Lab File: VN086892.D
Acq: 09 Jun 2025 10:29

Tgt Ion:142 Resp: 20476

Ion	Ratio	Lower	Upper
142	100		
127	38.2	30.9	46.3
141	11.3	10.4	15.6



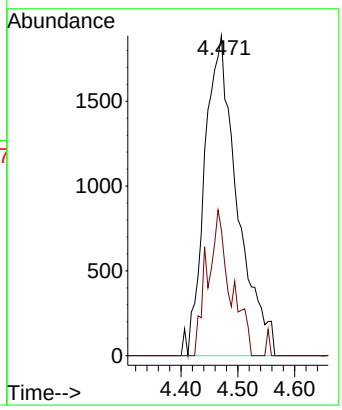


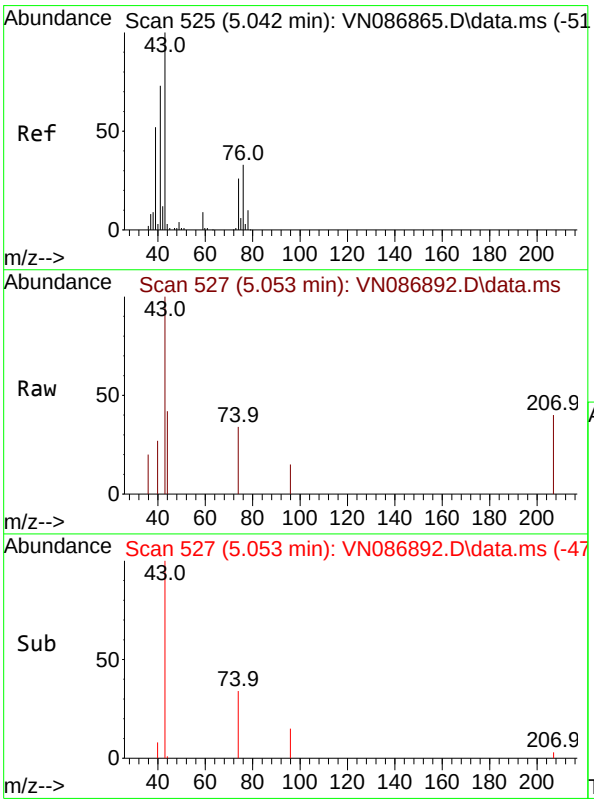
#16
Acetone
Concen: 2.847 ug/l
RT: 4.471 min Scan# 4
Delta R.T. 0.023 min
Lab File: VN086892.D
Acq: 09 Jun 2025 10:29

Instrument :
MSVOA_N
ClientSampleId :
3898

Tgt Ion: 43 Resp: 7537

Ion	Ratio	Lower	Upper
43	100		
58	39.3	28.0	42.0

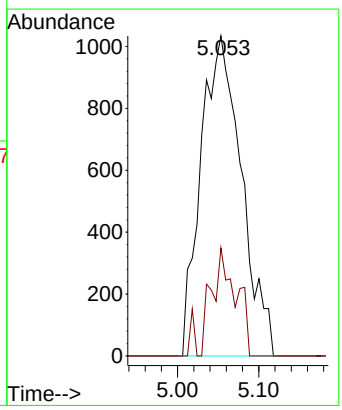


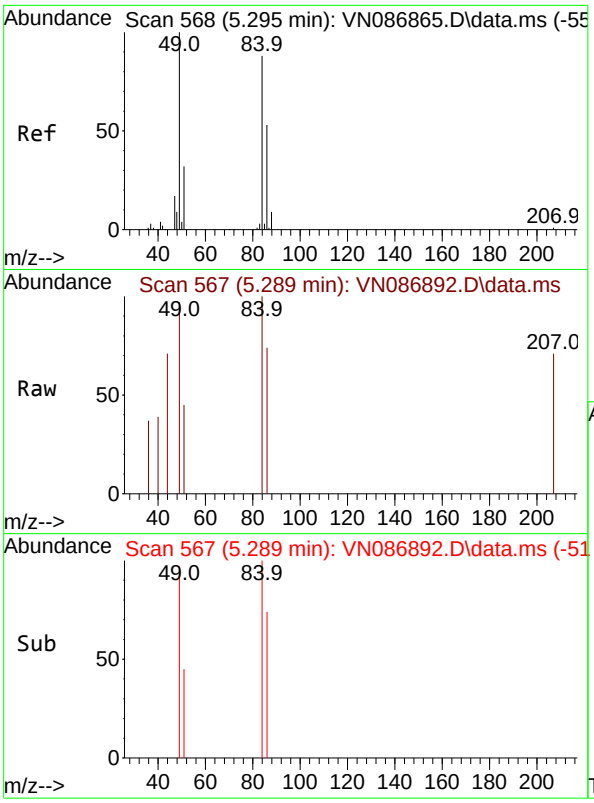


#18
Methyl Acetate
Concen: 0.466 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.012 min
Lab File: VN086892.D
Acq: 09 Jun 2025 10:29

Tgt Ion: 43 Resp: 3596

Ion	Ratio	Lower	Upper
43	100		
74	20.2	20.7	31.1#



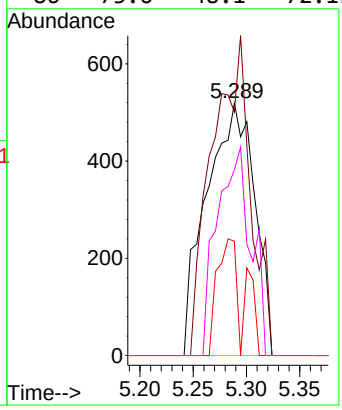


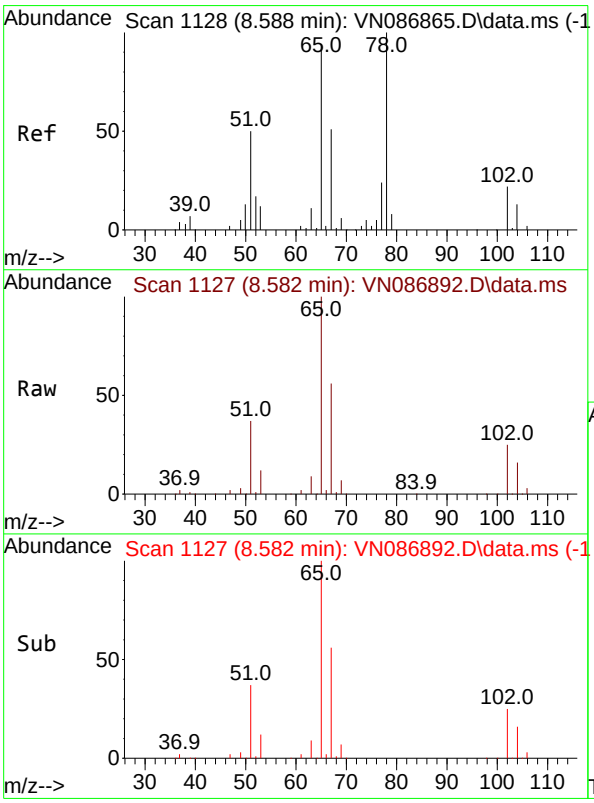
#20
Methylene Chloride
Concen: 0.330 ug/l
RT: 5.289 min Scan# 5
Delta R.T. -0.006 min
Lab File: VN086892.D
Acq: 09 Jun 2025 10:29

Instrument :
MSVOA_N
ClientSampleId :
3898

Tgt Ion: 84 Resp: 1637

Ion	Ratio	Lower	Upper
84	100		
49	96.5	90.5	135.7
51	45.3	28.5	42.7#
86	73.6	48.1	72.1#

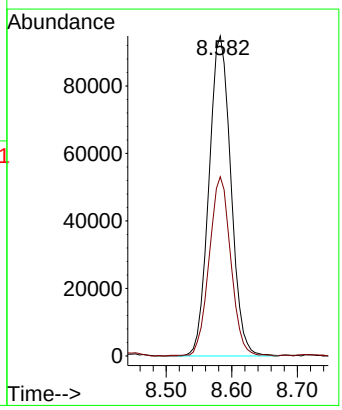


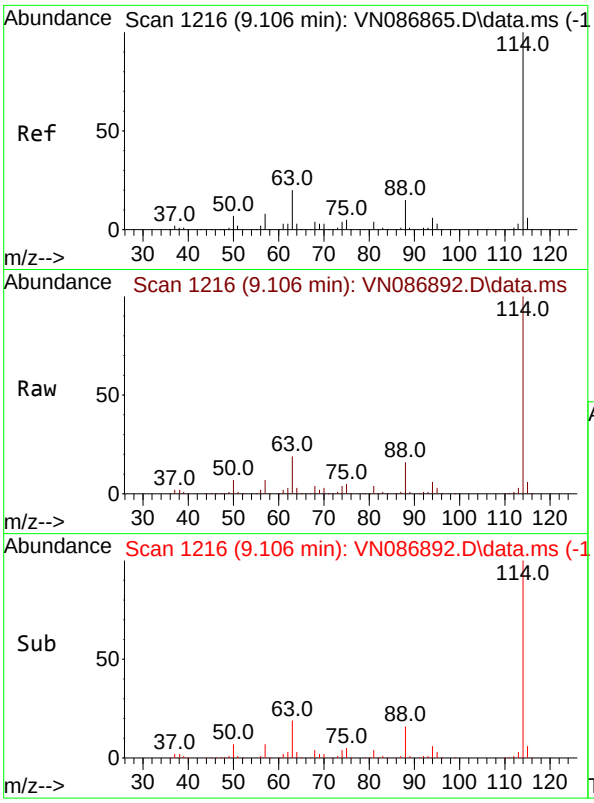


#33
1,2-Dichloroethane-d4
Concen: 44.044 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN086892.D
Acq: 09 Jun 2025 10:29

Tgt Ion: 65 Resp: 219865

Ion	Ratio	Lower	Upper
65	100		
67	55.3	0.0	105.6



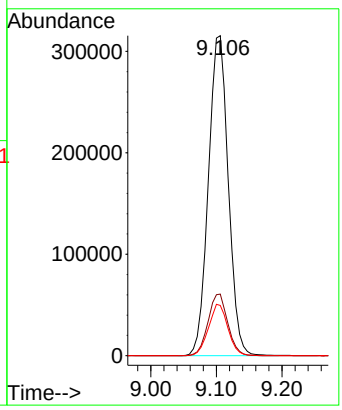


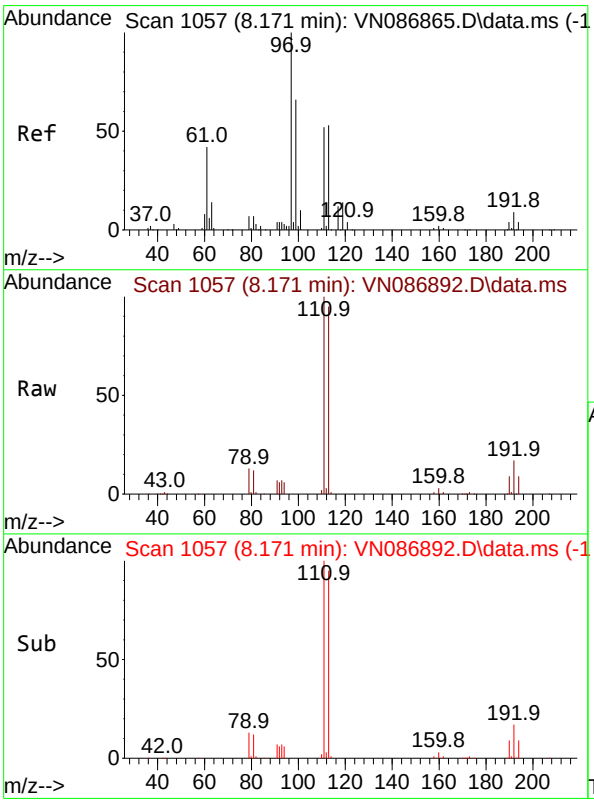
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086892.D
Acq: 09 Jun 2025 10:29

Instrument :
MSVOA_N
ClientSampleId :
3898

Tgt Ion:114 Resp: 665427

Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	39.6
88	15.7	0.0	30.2

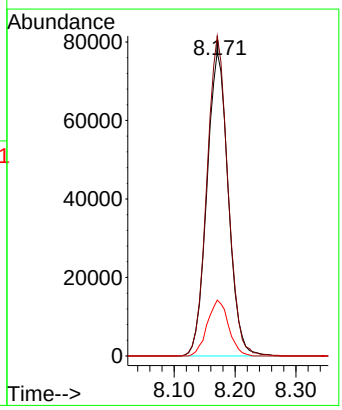


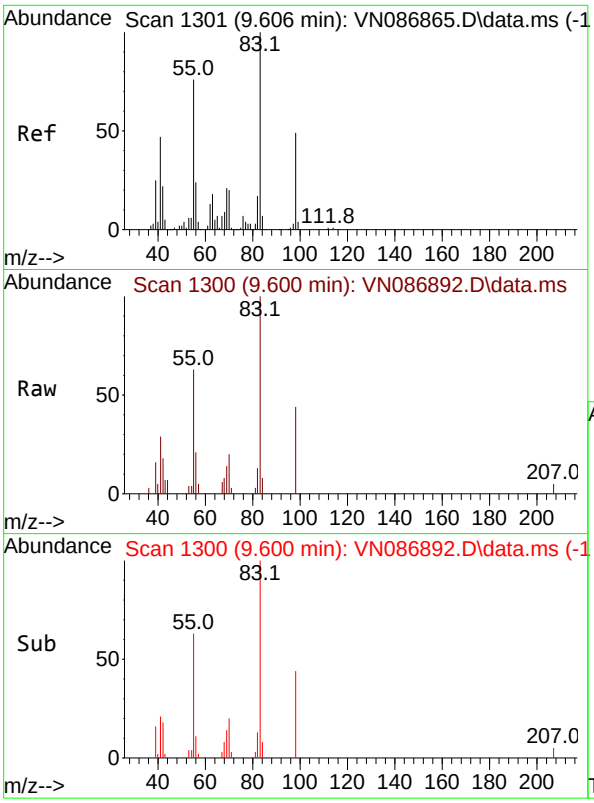


#35
Dibromofluoromethane
Concen: 47.932 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN086892.D
Acq: 09 Jun 2025 10:29

Tgt Ion:113 Resp: 189019

Ion	Ratio	Lower	Upper
113	100		
111	103.5	84.2	126.2
192	18.2	14.2	21.4



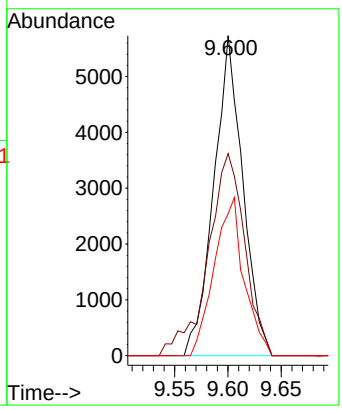


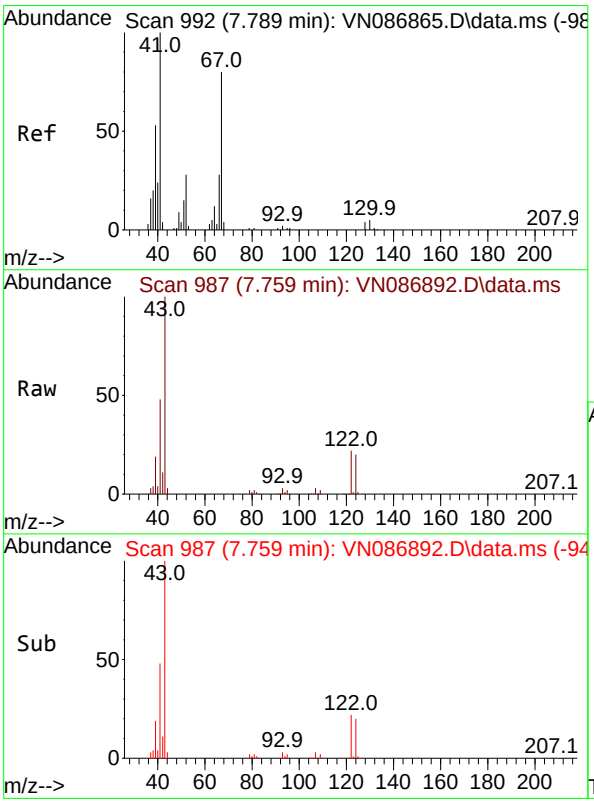
#39
Methylcyclohexane
Concen: 1.347 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086892.D
Acq: 09 Jun 2025 10:29

Instrument :
MSVOA_N
ClientSampleId :
3898

Tgt Ion: 83 Resp: 10845

Ion	Ratio	Lower	Upper
83	100		
55	63.2	61.0	91.6
98	44.3	38.9	58.3

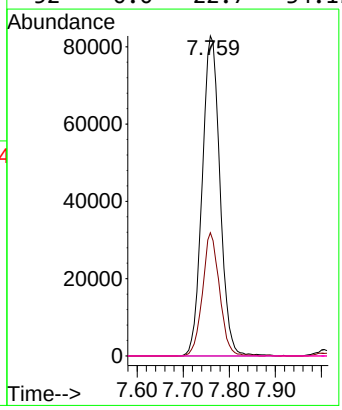


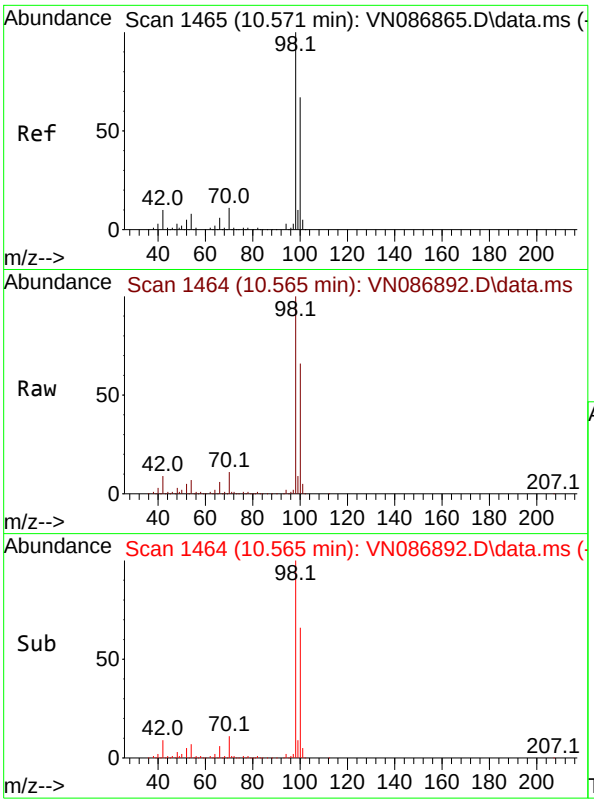


#41
Methacrylonitrile
Concen: 53.019 ug/l
RT: 7.759 min Scan# 987
Delta R.T. -0.030 min
Lab File: VN086892.D
Acq: 09 Jun 2025 10:29

Tgt Ion: 41 Resp: 222735

Ion	Ratio	Lower	Upper
41	100		
39	36.8	41.2	61.8#
67	0.0	61.4	92.2#
52	0.0	22.7	34.1#



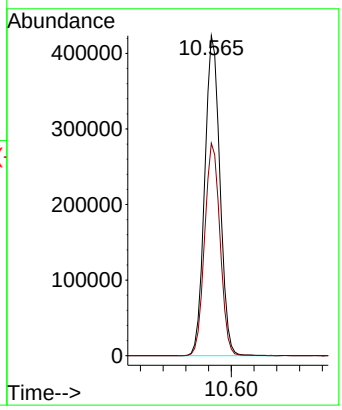


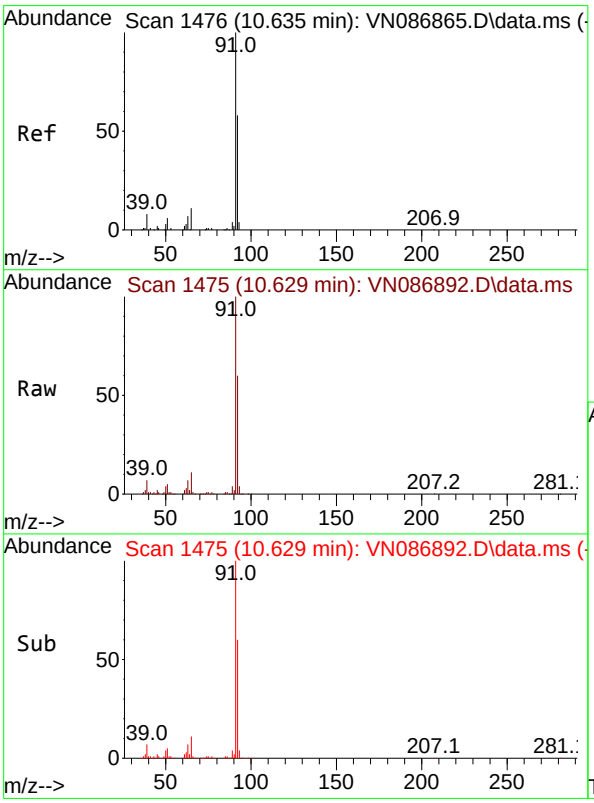
#50
Toluene-d8
Concen: 50.222 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN086892.D
Acq: 09 Jun 2025 10:29

Instrument :
MSVOA_N
ClientSampleId :
3898

Tgt Ion: 98 Resp: 784018

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.4	80.0

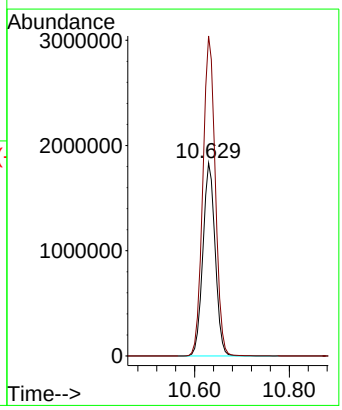


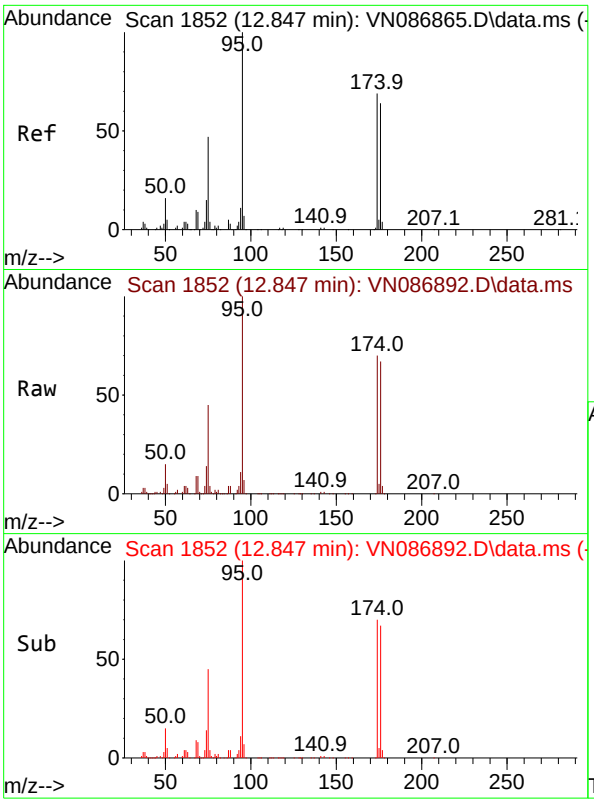


#52
Toluene
Concen: 280.305 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086892.D
Acq: 09 Jun 2025 10:29

Tgt Ion: 92 Resp: 3291617

Ion	Ratio	Lower	Upper
92	100		
91	168.0	136.5	204.7



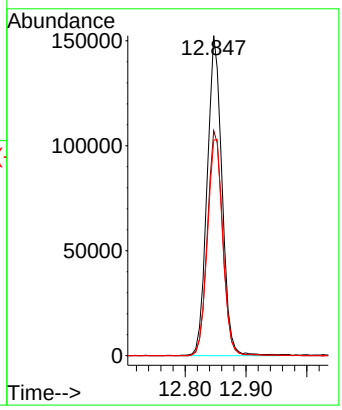


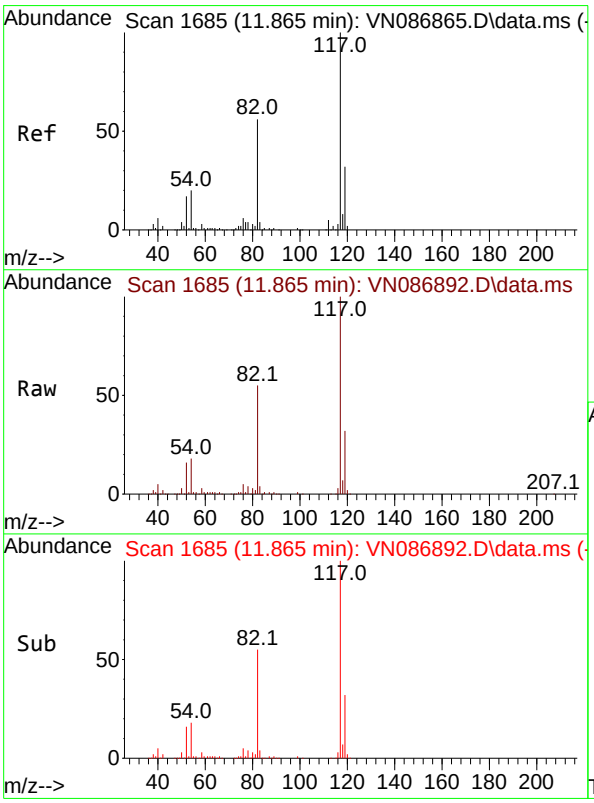
#62
4-Bromofluorobenzene
Concen: 44.580 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086892.D
Acq: 09 Jun 2025 10:29

Instrument :
MSVOA_N
ClientSampleId :
3898

Tgt Ion: 95 Resp: 258566

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	141.8
176	70.0	0.0	132.6

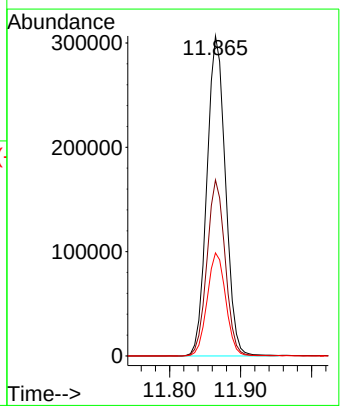


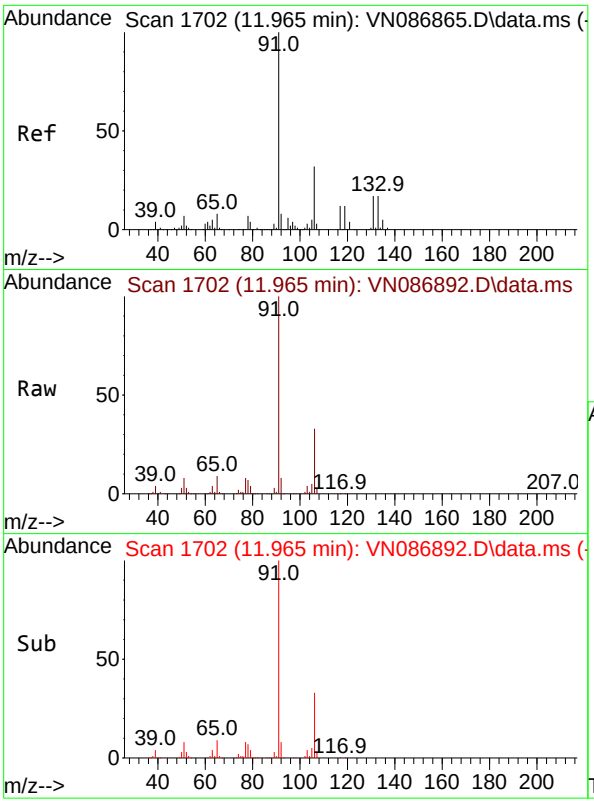


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086892.D
Acq: 09 Jun 2025 10:29

Tgt Ion:117 Resp: 556450

Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.6	67.0
119	32.2	25.5	38.3



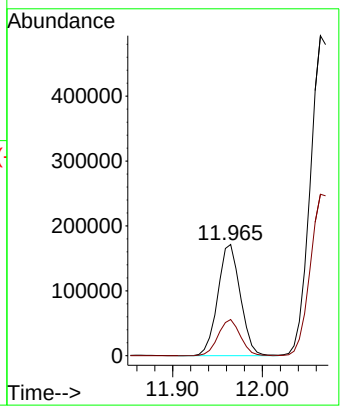


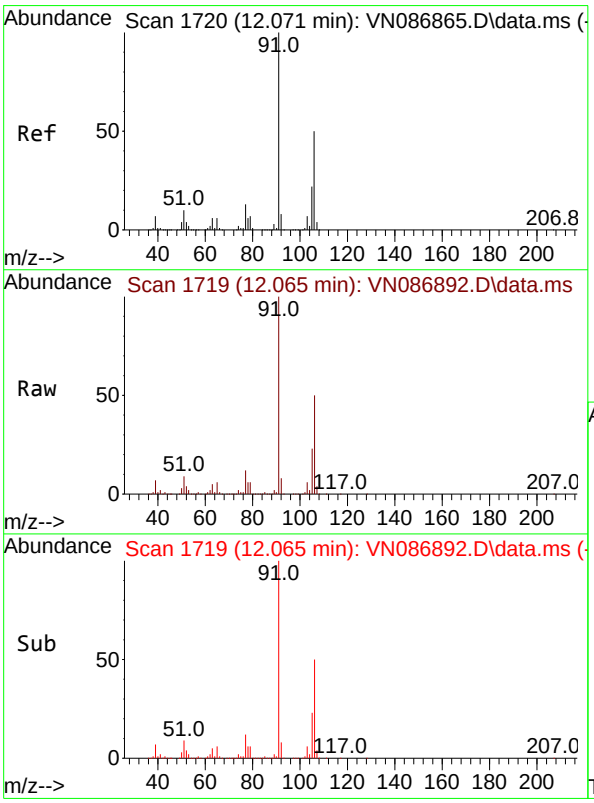
#67
Ethyl Benzene
Concen: 14.129 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086892.D
Acq: 09 Jun 2025 10:29

Instrument :
MSVOA_N
ClientSampleId :
3898

Tgt Ion: 91 Resp: 298682

Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.4	38.2

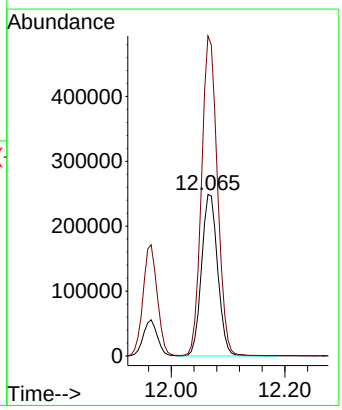


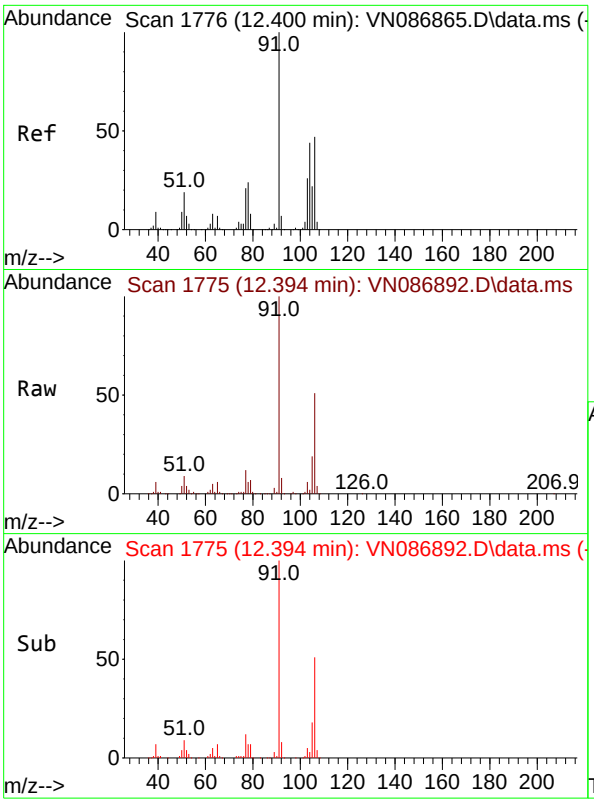


#68
m/p-Xylenes
Concen: 60.483 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN086892.D
Acq: 09 Jun 2025 10:29

Tgt Ion:106 Resp: 489437

Ion	Ratio	Lower	Upper
106	100		
91	195.1	159.4	239.0



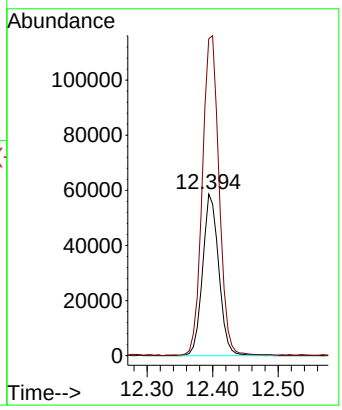


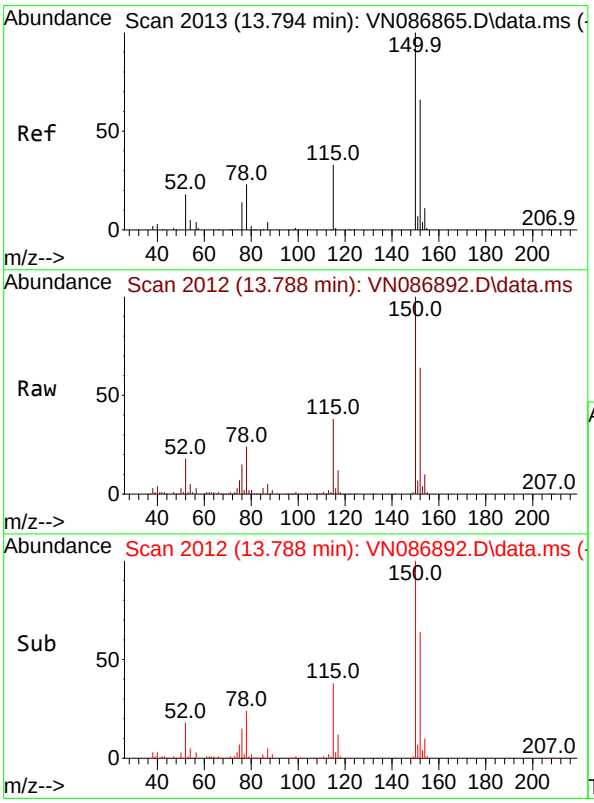
#69
o-Xylene
Concen: 12.983 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086892.D
Acq: 09 Jun 2025 10:29

Instrument :
MSVOA_N
ClientSampleId :
3898

Tgt Ion:106 Resp: 100618

Ion	Ratio	Lower	Upper
106	100		
91	207.1	106.1	318.1

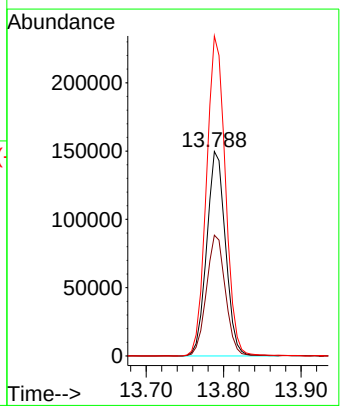


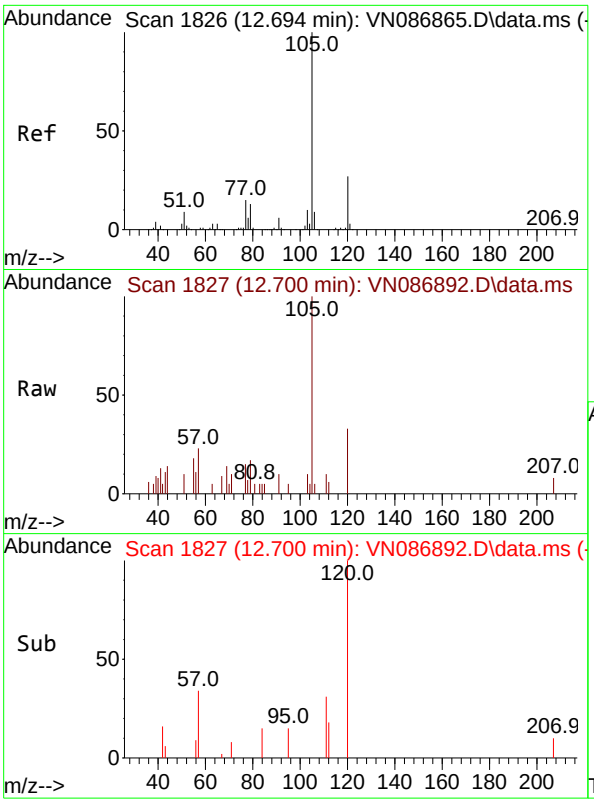


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086892.D
Acq: 09 Jun 2025 10:29

Tgt Ion:152 Resp: 252502

Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.1	90.5
150	157.8	0.0	345.0



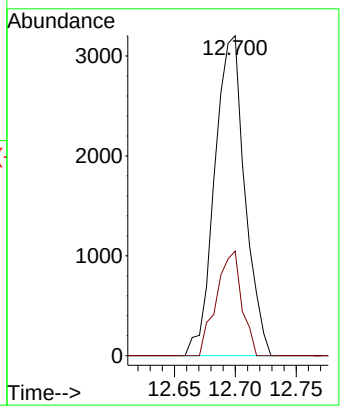


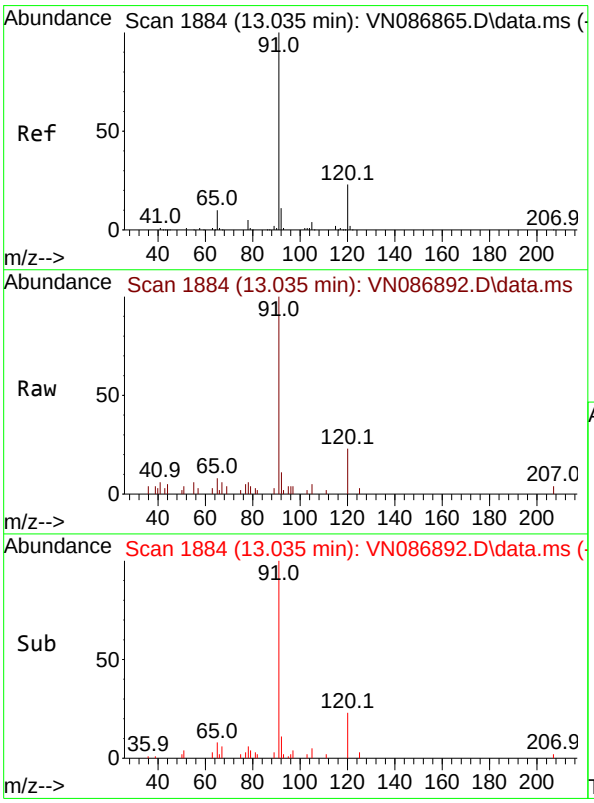
#73
Isopropylbenzene
Concen: 0.301 ug/l
RT: 12.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086892.D
Acq: 09 Jun 2025 10:29

Instrument :
MSVOA_N
ClientSampleId :
3898

Tgt Ion:105 Resp: 5528

Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.5	40.4

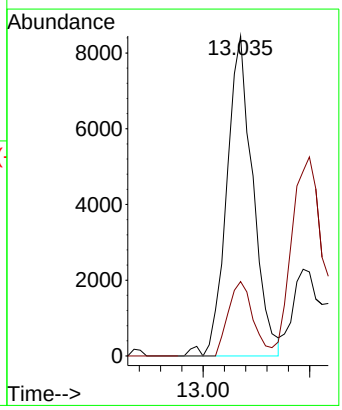


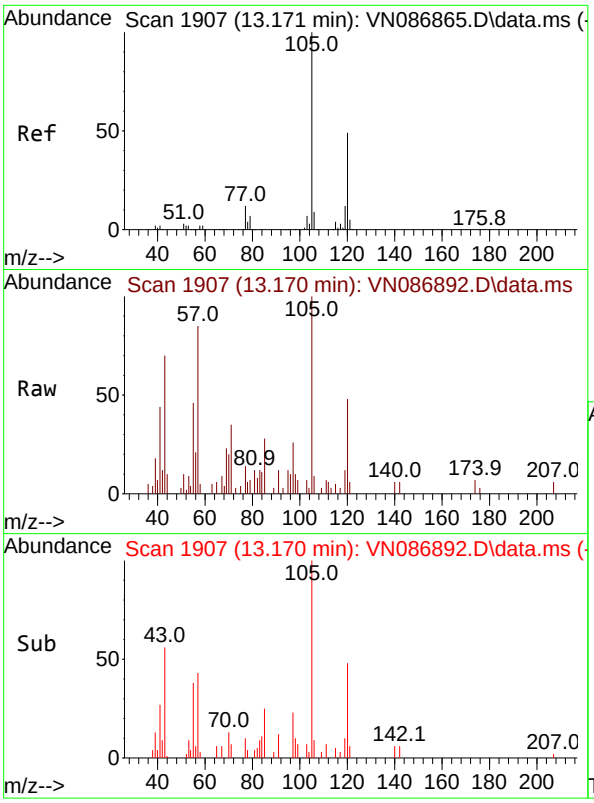


#78
n-propylbenzene
Concen: 0.643 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086892.D
Acq: 09 Jun 2025 10:29

Tgt Ion: 91 Resp: 14373

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.4	34.2



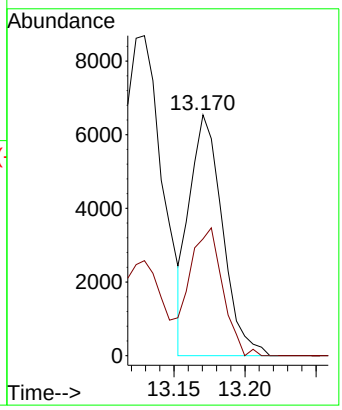


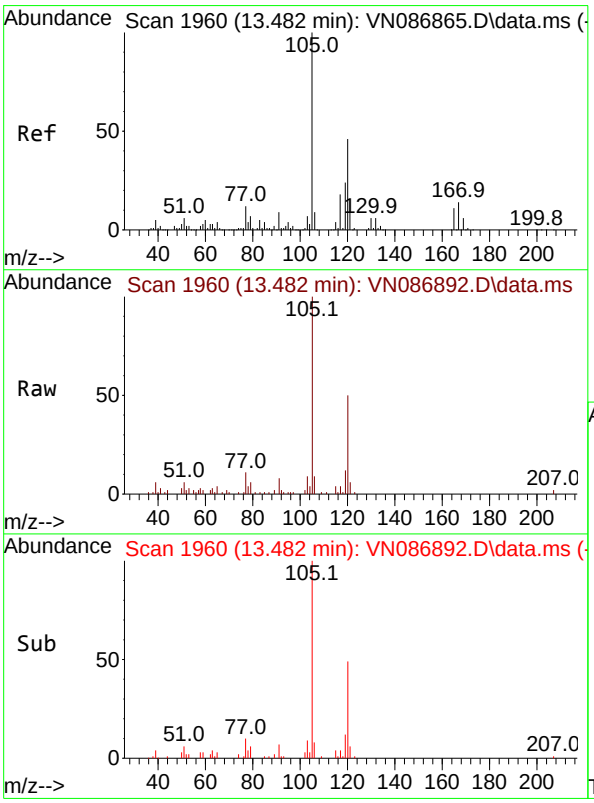
#80
1,3,5-Trimethylbenzene
Concen: 0.693 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086892.D
Acq: 09 Jun 2025 10:29

Instrument :
MSVOA_N
ClientSampleId :
3898

Tgt Ion:105 Resp: 10519

Ion	Ratio	Lower	Upper
105	100		
120	55.3	24.9	74.6

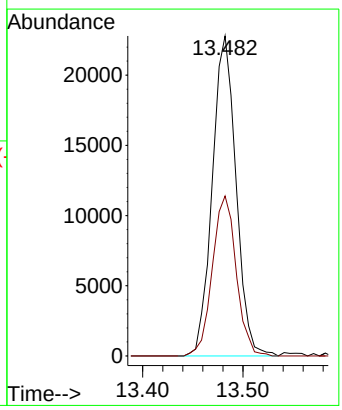


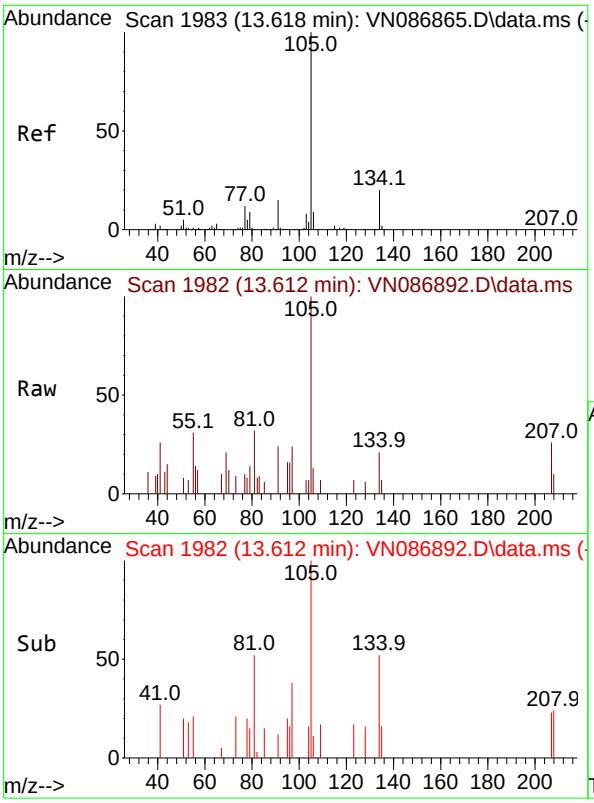


#84
1,2,4-Trimethylbenzene
Concen: 2.461 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086892.D
Acq: 09 Jun 2025 10:29

Tgt Ion:105 Resp: 37478

Ion	Ratio	Lower	Upper
105	100		
120	50.3	23.2	69.6



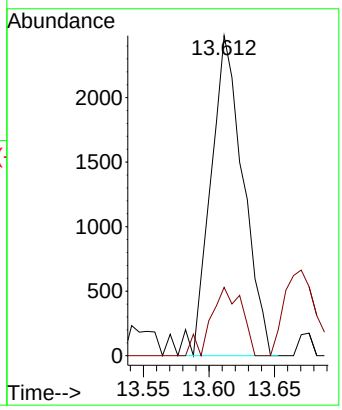


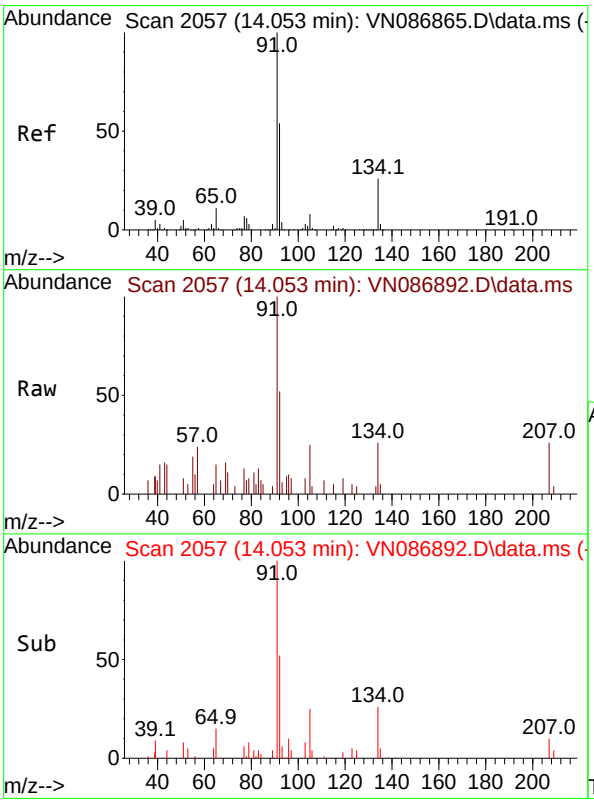
#85
sec-Butylbenzene
Concen: 0.212 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086892.D
Acq: 09 Jun 2025 10:29

Instrument :
MSVOA_N
ClientSampleId :
3898

Tgt Ion:105 Resp: 4278

Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.0	30.0





#89
n-Butylbenzene
Concen: 0.436 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086892.D
Acq: 09 Jun 2025 10:29

Tgt Ion: 91 Resp: 7043

Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.5	82.4
134	0.0	13.0	39.0#