Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031225\
Data File : VN085959.D
Acq On : 12 Mar 2025 14:54
Operator : JC\MD
Sample : Q1528-01 50X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FERNOT

Quant Time: Mar 13 02:10:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	171871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	311946	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	292117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	134315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	120427	54.046	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.100%			
35) Dibromofluoromethane	8.165	113	101214	49.585	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.160%			
50) Toluene-d8	10.565	98	358072	48.215	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.420%			
62) 4-Bromofluorobenzene	12.847	95	135856	55.522	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.040%			
Target Compounds						Qvalue
16) Acetone	4.430	43	3649	5.175	ug/l #	87
40) Benzene	8.606	78	10673	1.153	ug/l	95
52) Toluene	10.629	92	48012	8.846	ug/l	98
67) Ethyl Benzene	11.964	91	38960	3.717	ug/l	97
68) m/p-Xylenes	12.065	106	41573	10.441	ug/l	98
69) o-Xylene	12.394	106	21414	5.659	ug/l	97
78) n-propylbenzene	13.035	91	11582	1.099	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	11930	1.592	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	44395	5.986	ug/l	97
95) Naphthalene	15.635	128	14843	2.533	ug/l #	86

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

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Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
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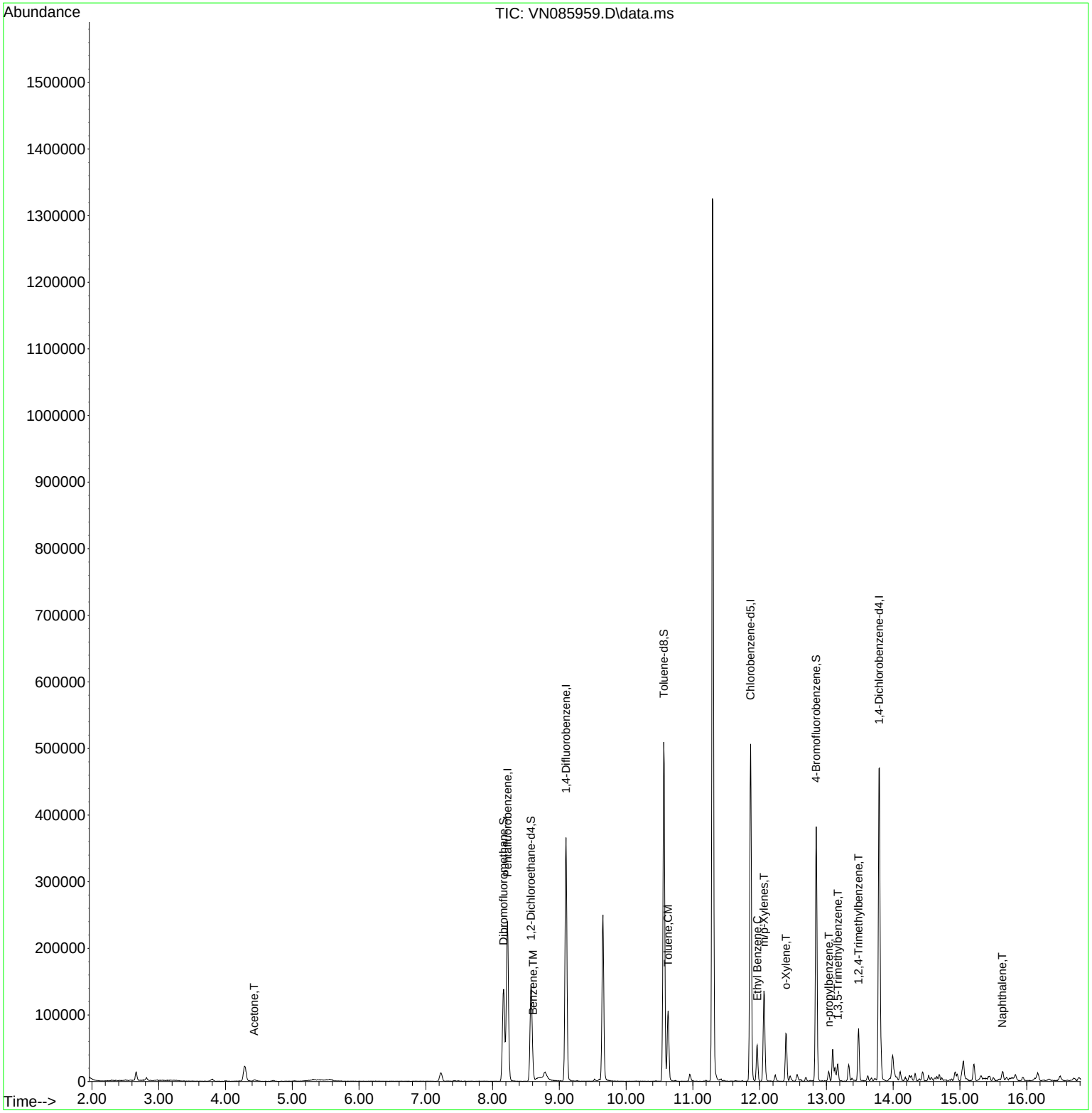
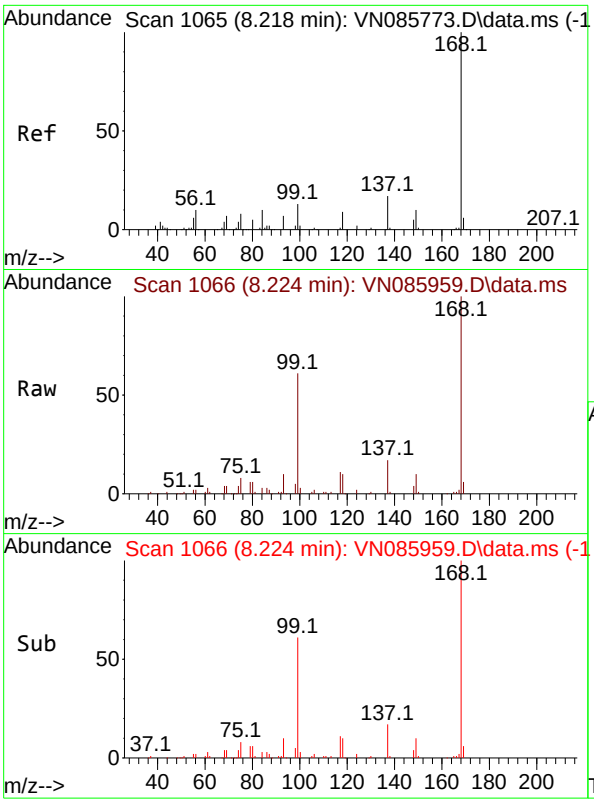


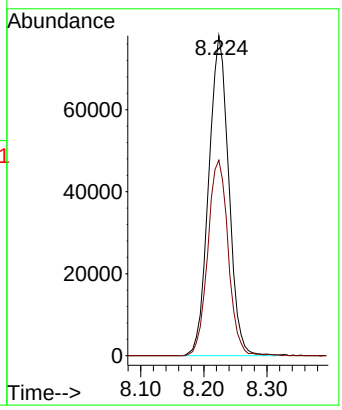


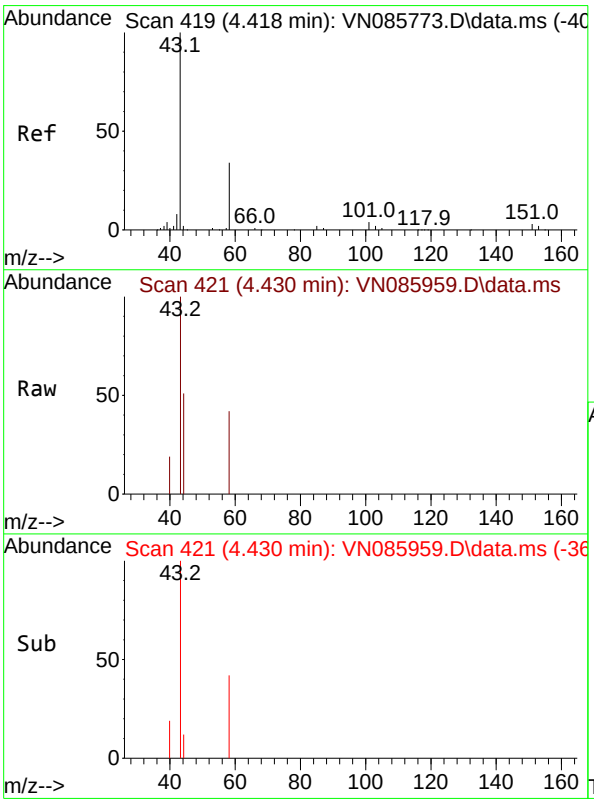
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085959.D
Acq: 12 Mar 2025 14:54

Instrument :
MSVOA_N
ClientSampleId :
FERNOT

Tgt Ion:168 Resp: 171871

Ion	Ratio	Lower	Upper
168	100		
99	61.1	47.9	71.9

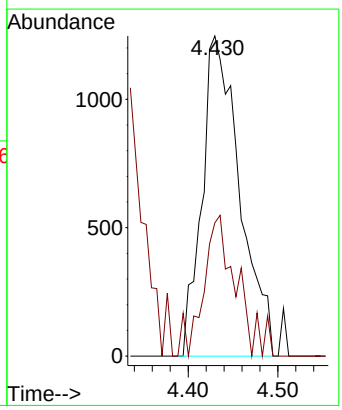


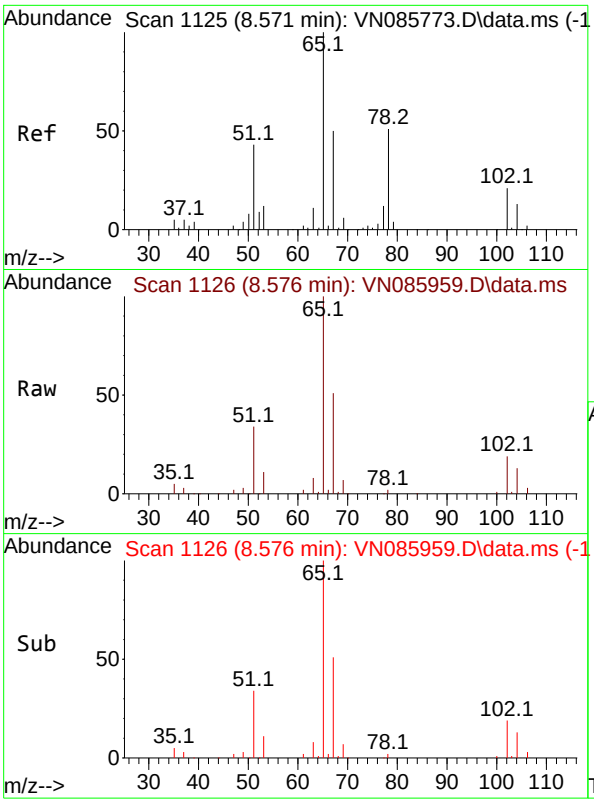


#16
Acetone
Concen: 5.175 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085959.D
Acq: 12 Mar 2025 14:54

Tgt Ion: 43 Resp: 3649

Ion	Ratio	Lower	Upper
43	100		
58	41.6	27.5	41.3#



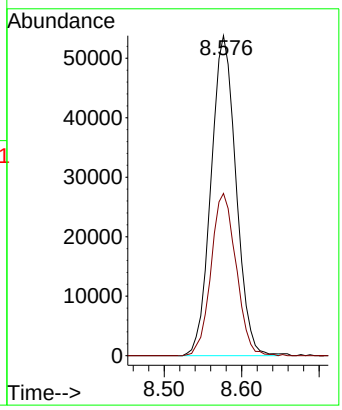


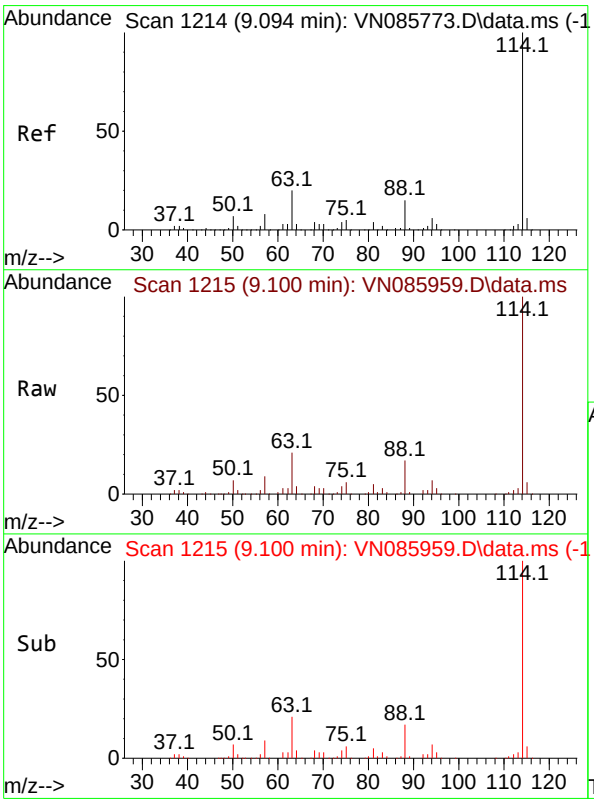
#33
1,2-Dichloroethane-d4
Concen: 54.046 ug/l
RT: 8.576 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085959.D
Acq: 12 Mar 2025 14:54

Instrument :
MSVOA_N
ClientSampleId :
FERNOT

Tgt Ion: 65 Resp: 120427

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	106.2

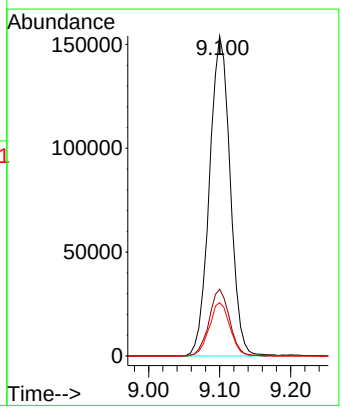


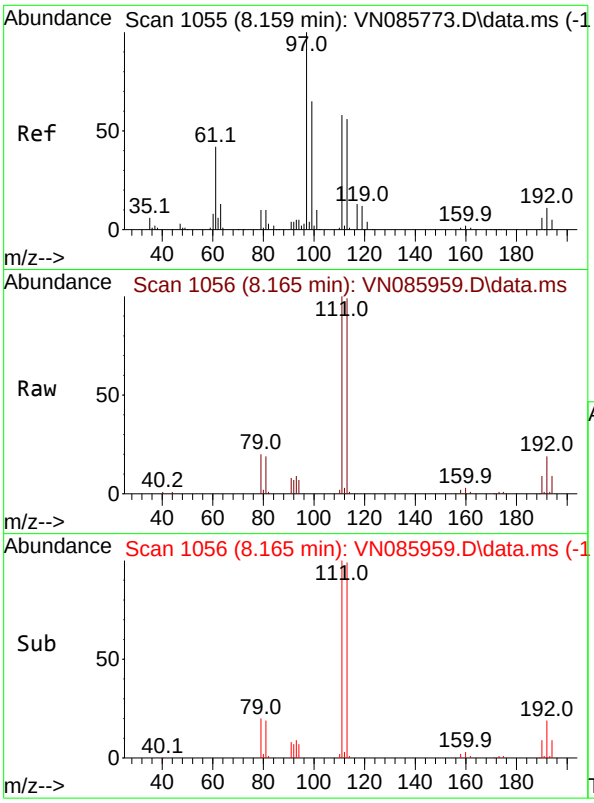


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085959.D
Acq: 12 Mar 2025 14:54

Tgt Ion:114 Resp: 311946

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	39.2
88	16.7	0.0	30.0



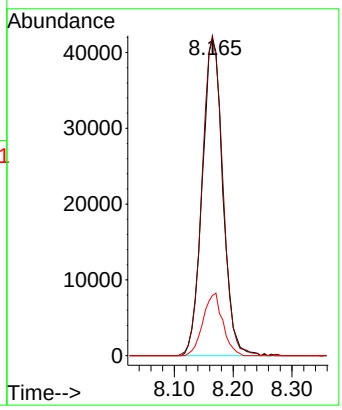


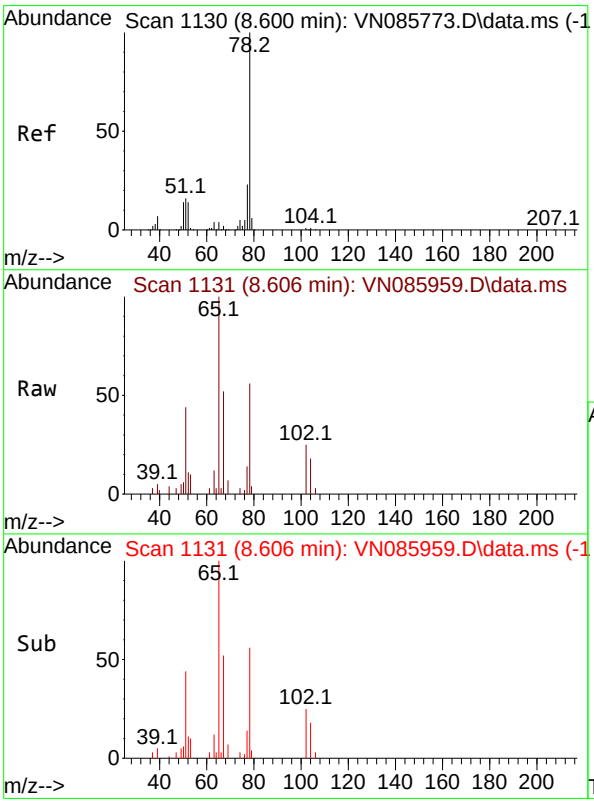
#35
Dibromofluoromethane
Concen: 49.585 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085959.D
Acq: 12 Mar 2025 14:54

Instrument :
MSVOA_N
ClientSampleId :
FERNOT

Tgt Ion:113 Resp: 101214

Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.2	123.4
192	19.0	14.7	22.1

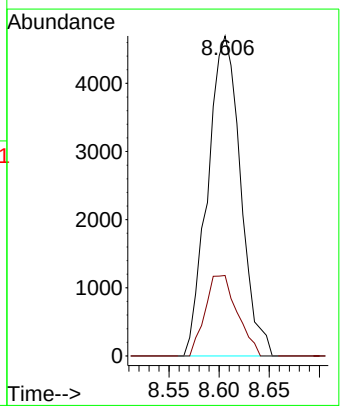


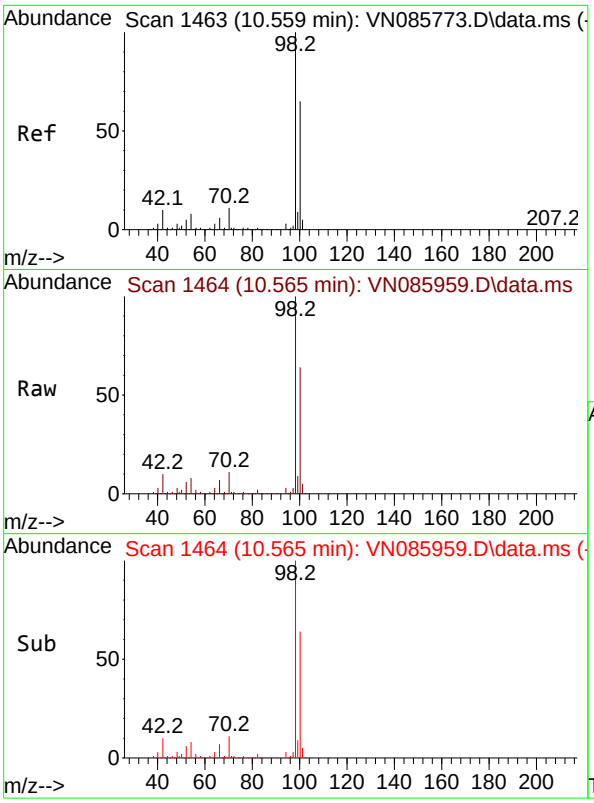


#40
Benzene
Concen: 1.153 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085959.D
Acq: 12 Mar 2025 14:54

Tgt Ion: 78 Resp: 10673

Ion	Ratio	Lower	Upper
78	100		
77	25.1	18.3	27.5



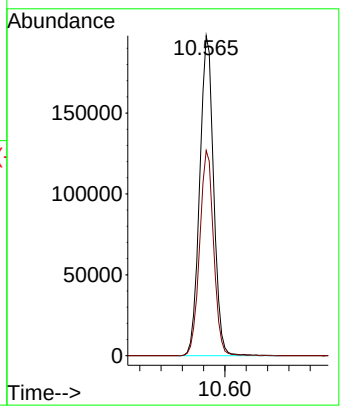


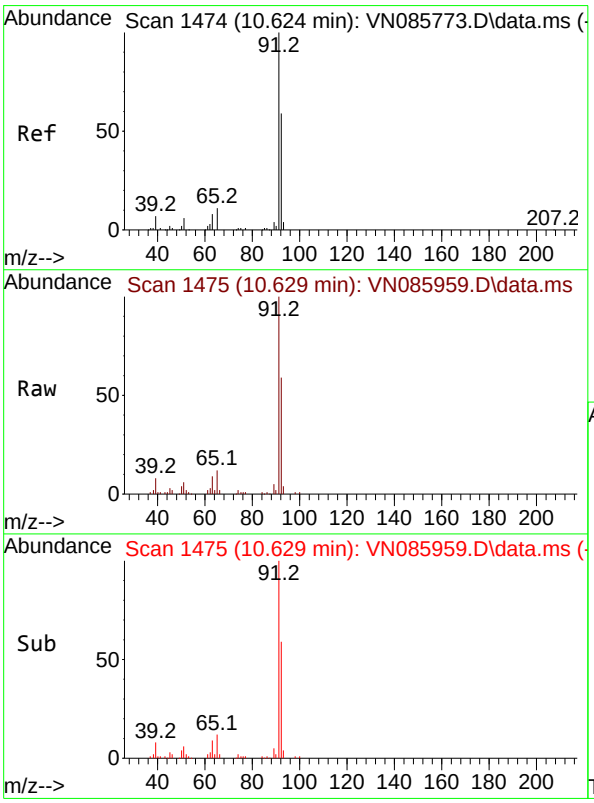
#50
Toluene-d8
Concen: 48.215 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085959.D
Acq: 12 Mar 2025 14:54

Instrument :
MSVOA_N
ClientSampleId :
FERNOT

Tgt Ion: 98 Resp: 358072

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1

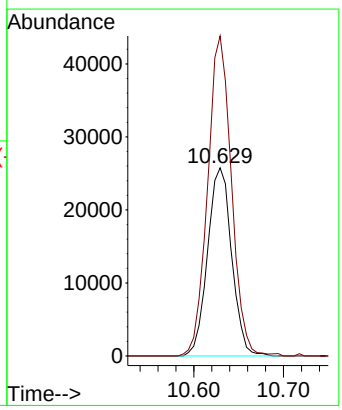


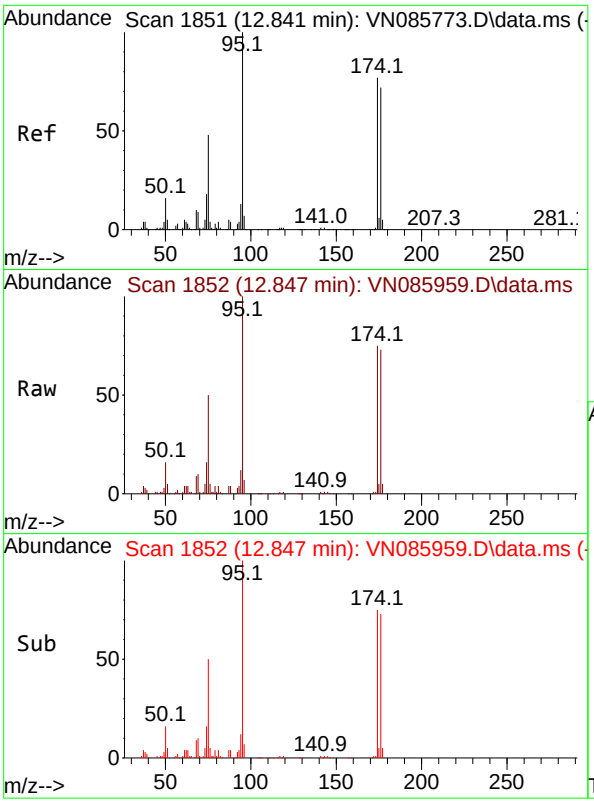


#52
Toluene
Concen: 8.846 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085959.D
Acq: 12 Mar 2025 14:54

Tgt Ion: 92 Resp: 48012

Ion	Ratio	Lower	Upper
92	100		
91	168.3	136.9	205.3



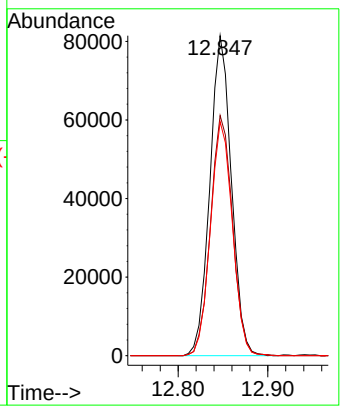


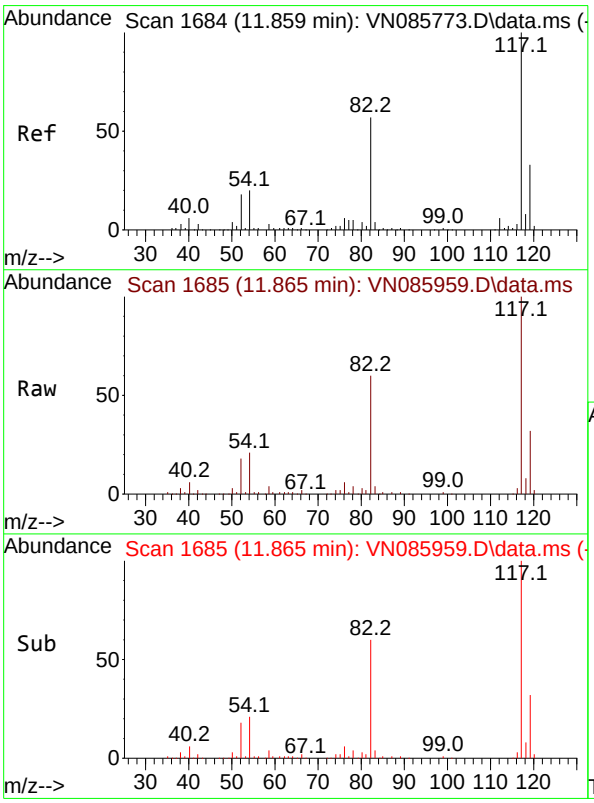
#62
4-Bromofluorobenzene
Concen: 55.522 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085959.D
Acq: 12 Mar 2025 14:54

Instrument :
MSVOA_N
ClientSampleId :
FERNOT

Tgt Ion: 95 Resp: 135856

Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	152.4
176	74.4	0.0	146.6

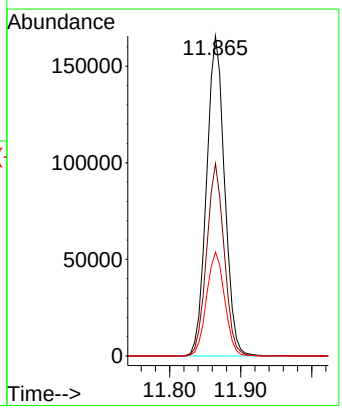


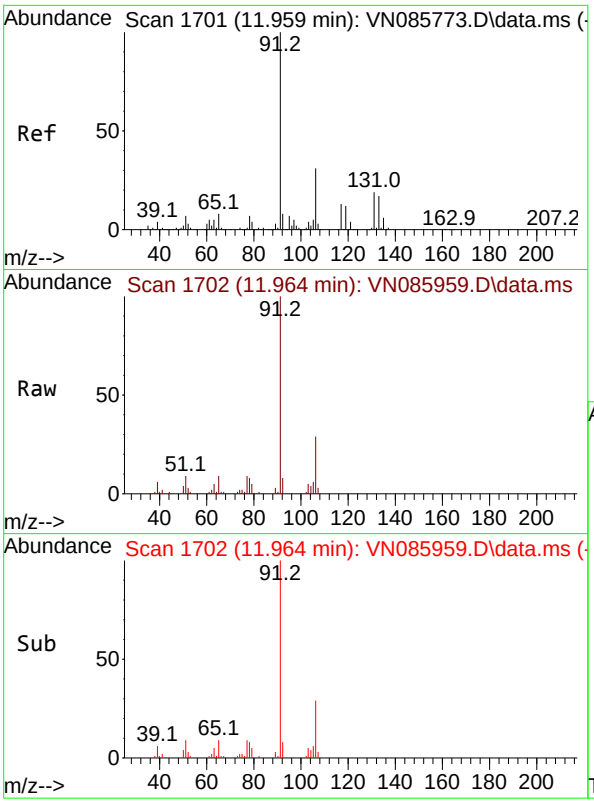


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085959.D
Acq: 12 Mar 2025 14:54

Tgt Ion:117 Resp: 292117

Ion	Ratio	Lower	Upper
117	100		
82	60.1	45.7	68.5
119	32.5	26.2	39.2



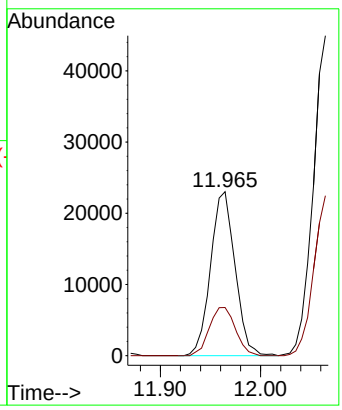


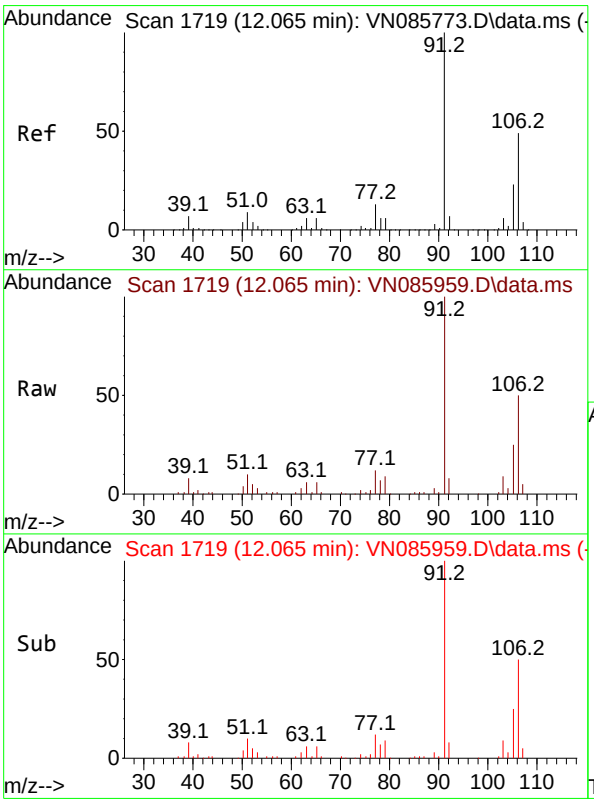
#67
Ethyl Benzene
Concen: 3.717 ug/l
RT: 11.964 min Scan# 1
Delta R.T. 0.005 min
Lab File: VN085959.D
Acq: 12 Mar 2025 14:54

Instrument :
MSVOA_N
ClientSampleId :
FERNOT

Tgt Ion: 91 Resp: 38960

Ion	Ratio	Lower	Upper
91	100		
106	29.4	24.7	37.1

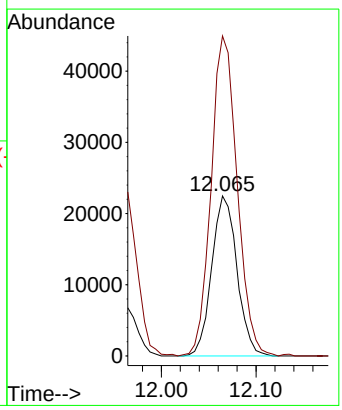


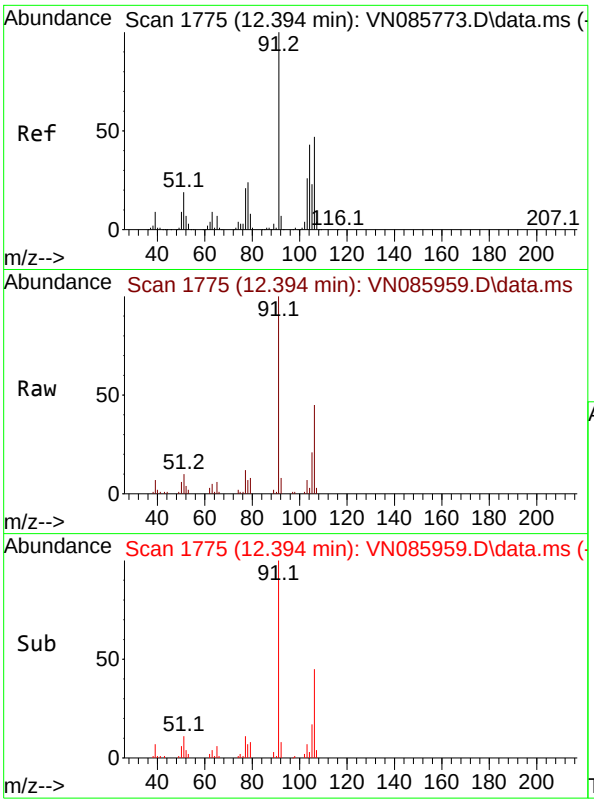


#68
m/p-Xylenes
Concen: 10.441 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085959.D
Acq: 12 Mar 2025 14:54

Tgt Ion:106 Resp: 41573

Ion	Ratio	Lower	Upper
106	100		
91	206.9	163.3	244.9



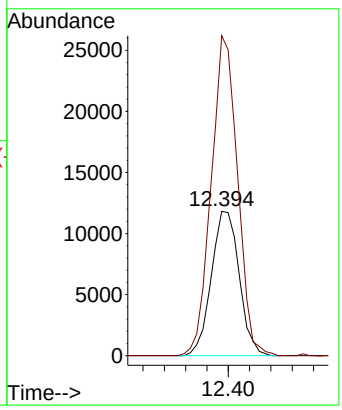


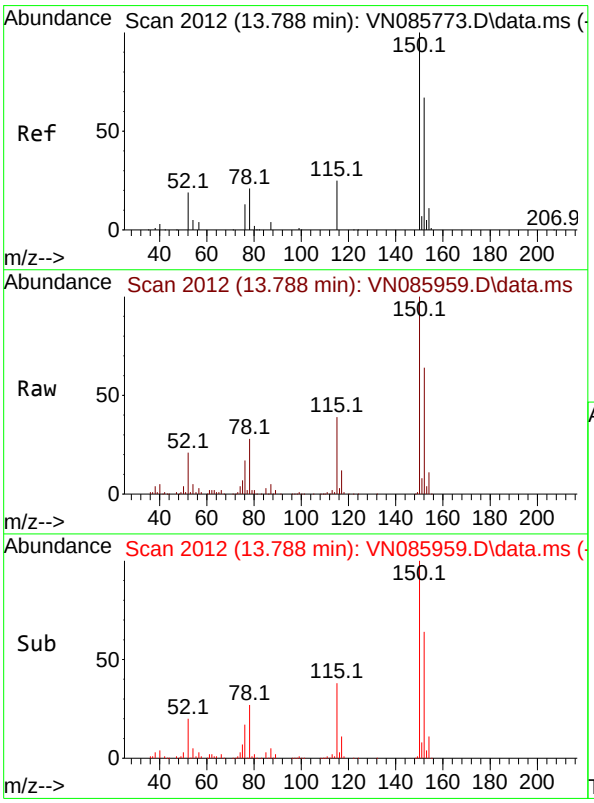
#69
o-Xylene
Concen: 5.659 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085959.D
Acq: 12 Mar 2025 14:54

Instrument :
MSVOA_N
ClientSampleId :
FERNOT

Tgt Ion:106 Resp: 21414

Ion	Ratio	Lower	Upper
106	100		
91	209.9	107.1	321.4

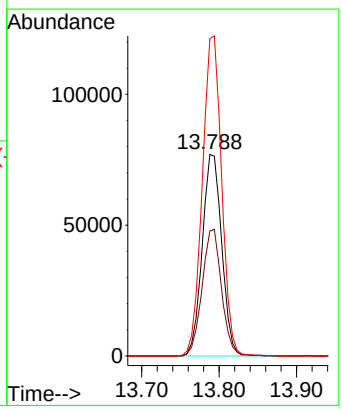


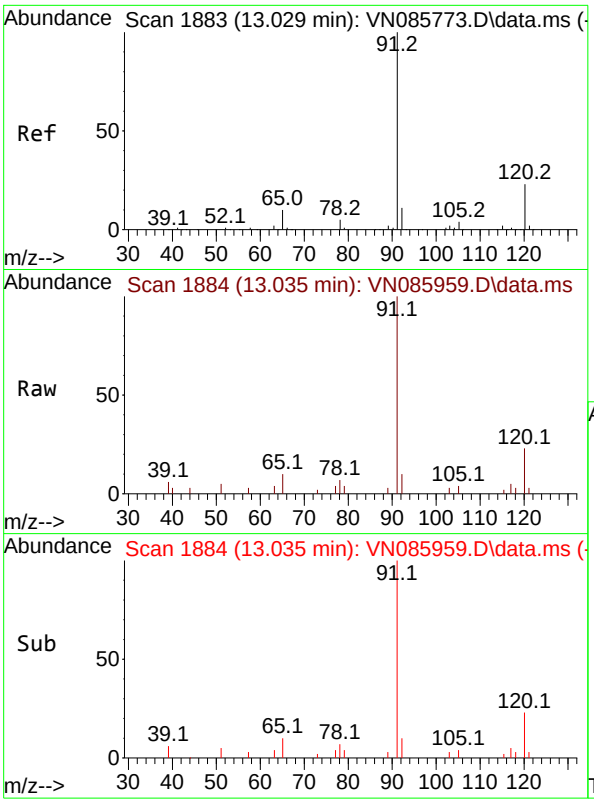


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085959.D
Acq: 12 Mar 2025 14:54

Tgt Ion:152 Resp: 134315

Ion	Ratio	Lower	Upper
152	100		
115	62.8	30.4	91.3
150	157.7	0.0	345.4



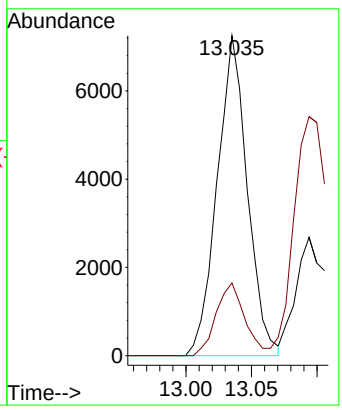


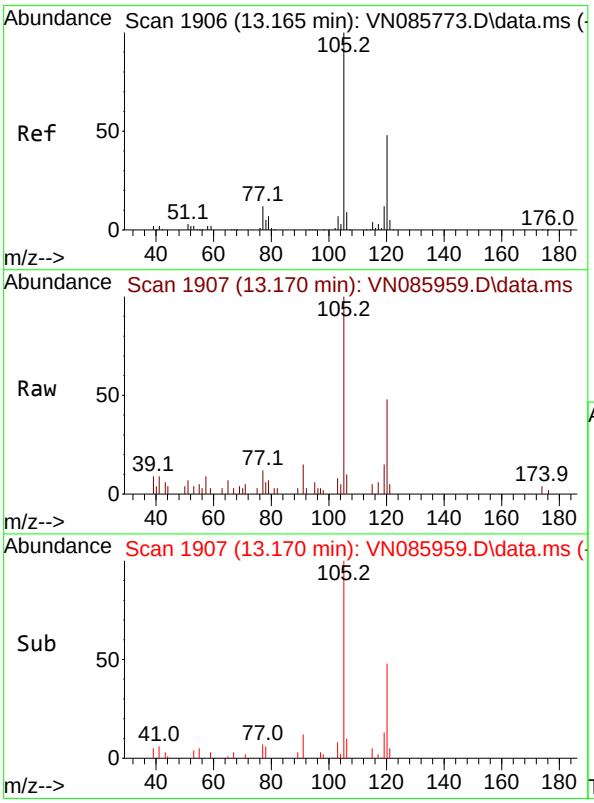
#78
n-propylbenzene
Concen: 1.099 ug/l
RT: 13.035 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085959.D
Acq: 12 Mar 2025 14:54

Instrument :
MSVOA_N
ClientSampleId :
FERNOT

Tgt Ion: 91 Resp: 11582

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.3	33.8

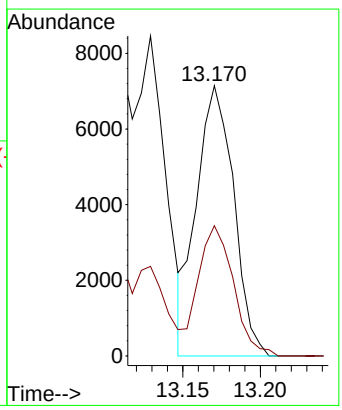


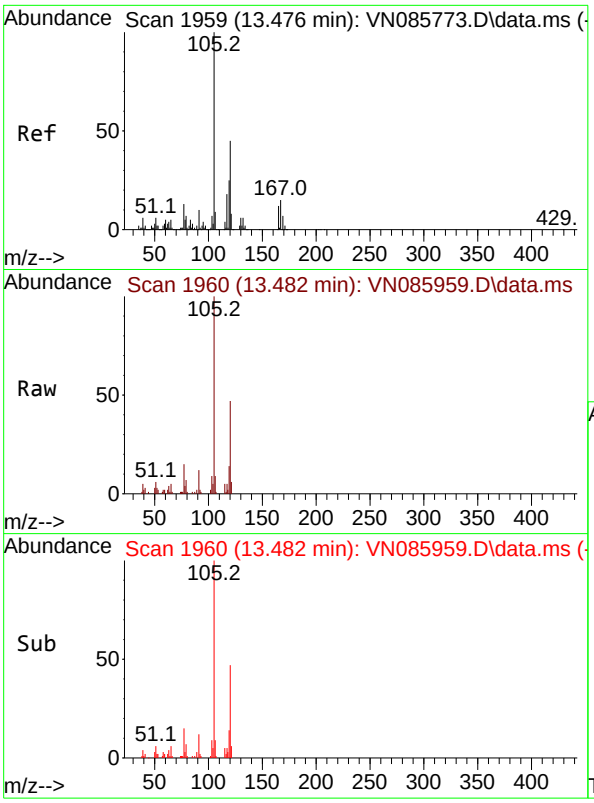


#80
1,3,5-Trimethylbenzene
Concen: 1.592 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VN085959.D
Acq: 12 Mar 2025 14:54

Tgt Ion:105 Resp: 11930

Ion	Ratio	Lower	Upper
105	100		
120	46.1	24.3	72.9



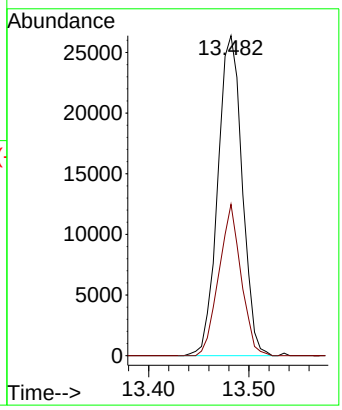


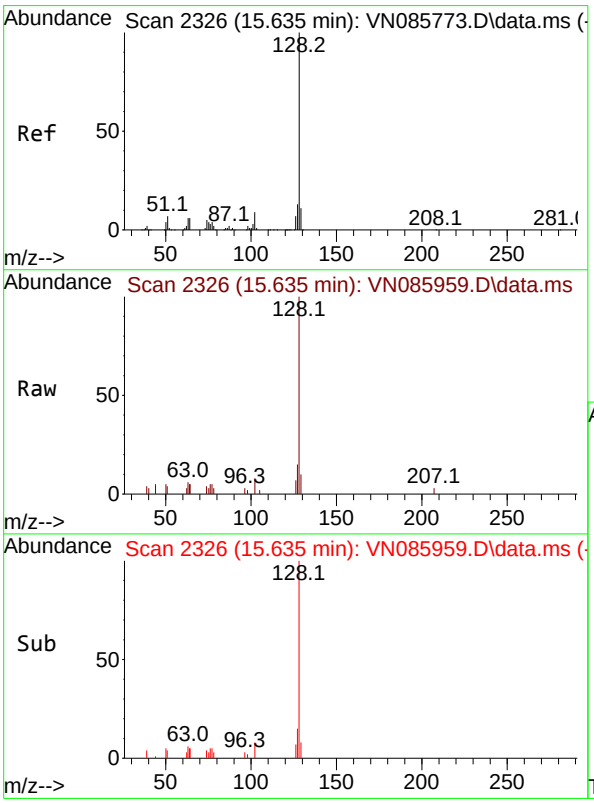
#84
1,2,4-Trimethylbenzene
Concen: 5.986 ug/l
RT: 13.482 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085959.D
Acq: 12 Mar 2025 14:54

Instrument :
MSVOA_N
ClientSampleId :
FERNOT

Tgt Ion:105 Resp: 44395

Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.4	67.3





#95
Naphthalene
Concen: 2.533 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN085959.D
Acq: 12 Mar 2025 14:54

Tgt Ion:128 Resp: 14843

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	0.0	8.7	13.1#