Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022224\
Data File : VN081134.D
Acq On : 22 Feb 2024 14:48
Operator : JC\MD
Sample : P1540-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
AUD-1327

Quant Time: Feb 23 04:25:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	386217	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	744154	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	665827	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	298525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	232945	49.207	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.420%		
35) Dibromofluoromethane	8.171	113	197573	46.952	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.900%		
50) Toluene-d8	10.571	98	658194	44.039	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.080%		
62) 4-Bromofluorobenzene	12.853	95	261416	46.550	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.100%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.512	59	108895	125.081	ug/l	99
13) Acrolein	4.183	56	2395	5.133	ug/l #	64
16) Acetone	4.424	43	169925	91.225	ug/l	98
17) Carbon Disulfide	4.718	76	17518	1.438	ug/l #	95
18) Methyl Acetate	5.024	43	230964	50.829	ug/l	95
25) 2-Butanone	7.483	43	27901	9.272	ug/l	99
40) Benzene	8.606	78	306399	14.684	ug/l	95
52) Toluene	10.636	92	180657	13.676	ug/l	98
59) 2-Hexanone	11.194	43	5113	0.985	ug/l	100
67) Ethyl Benzene	11.965	91	16966	0.658	ug/l	90
68) m/p-Xylenes	12.071	106	24612	2.490	ug/l	89
69) o-Xylene	12.406	106	11347	1.158	ug/l	85
70) Styrene	12.412	104	19706	1.269	ug/l	95
80) 1,3,5-Trimethylbenzene	13.177	105	5614	0.265	ug/l	92
95) Naphthalene	15.641	128	46000	2.120	ug/l #	91

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

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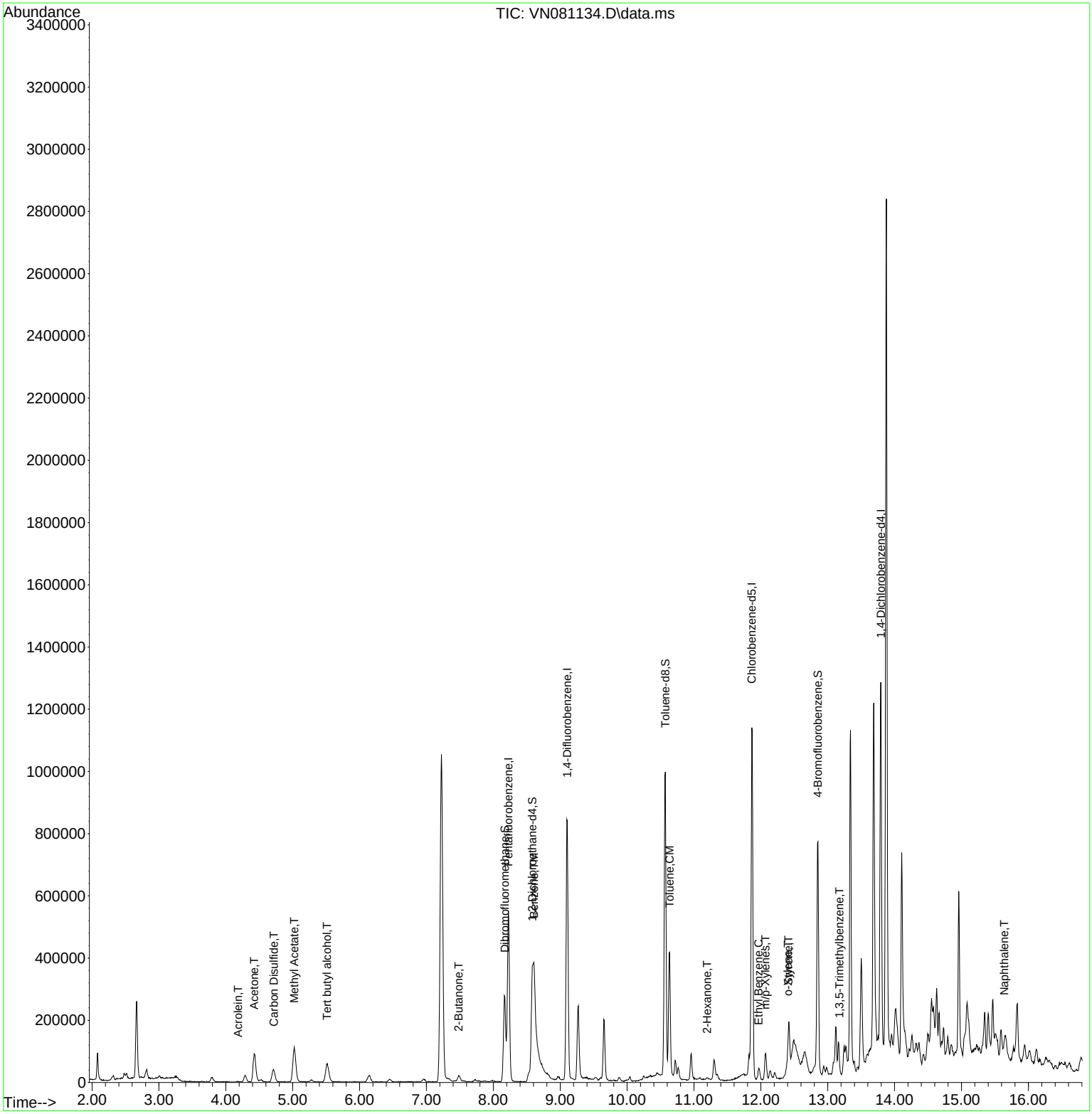
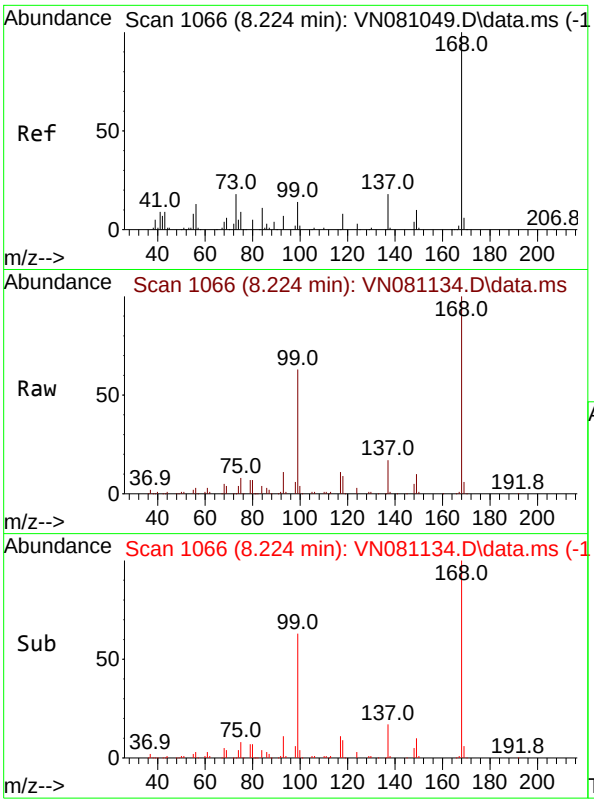
Quant Time: Feb 23 04:25:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 2024
Response via : Initial Calibration



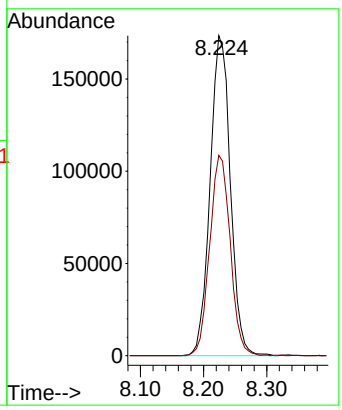


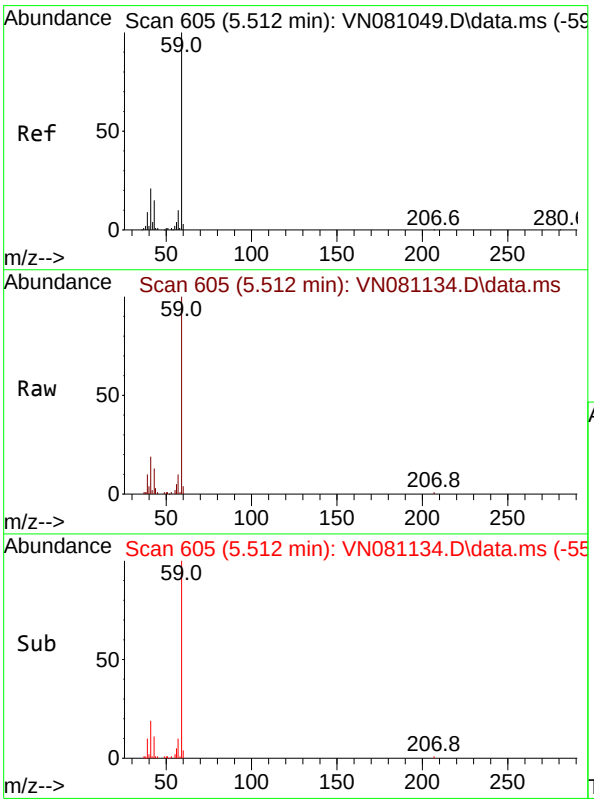
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN081134.D
Acq: 22 Feb 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
AUD-1327

Tgt Ion:168 Resp: 386217

Ion	Ratio	Lower	Upper
168	100		
99	62.6	59.9	89.9

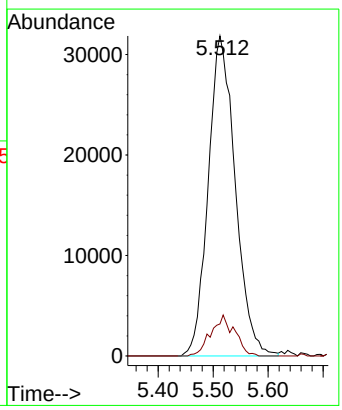


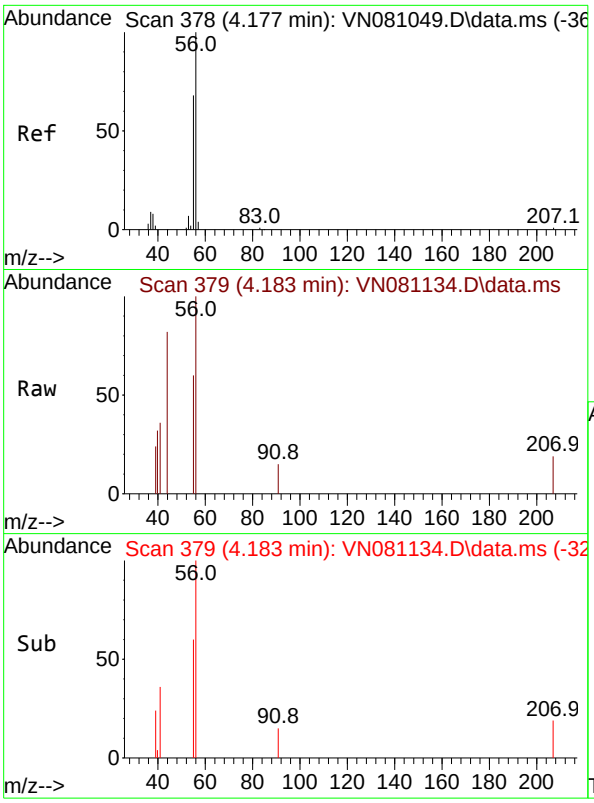


#11
Tert butyl alcohol
Concen: 125.081 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN081134.D
Acq: 22 Feb 2024 14:48

Tgt Ion: 59 Resp: 108895

Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.6	12.8



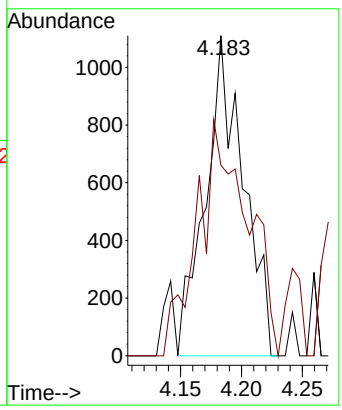


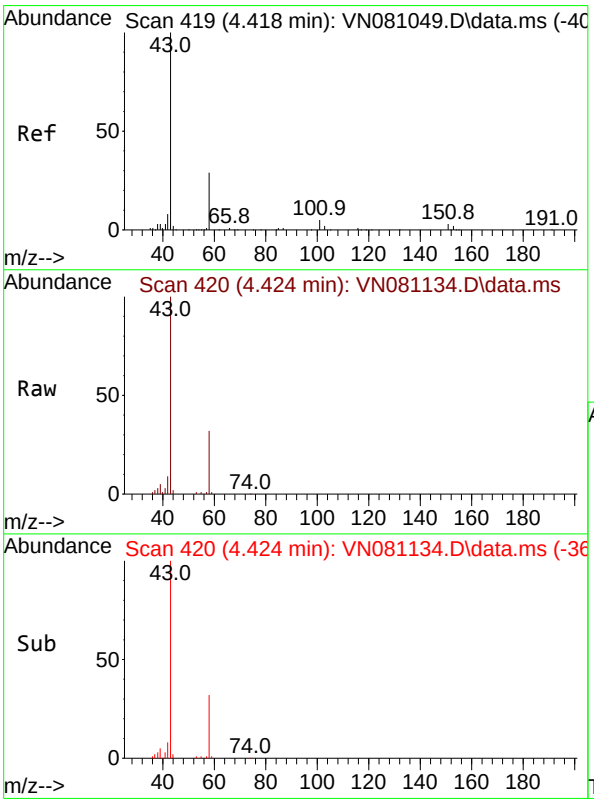
#13
Acrolein
Concen: 5.133 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN081134.D
Acq: 22 Feb 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
AUD-1327

Tgt Ion: 56 Resp: 2395

Ion	Ratio	Lower	Upper
56	100		
55	98.0	55.3	82.9#

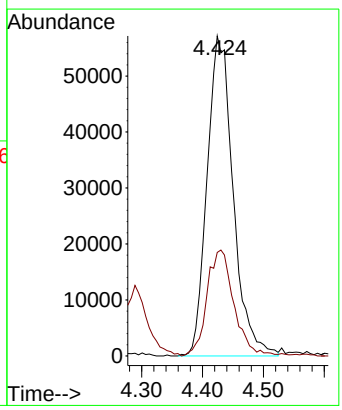


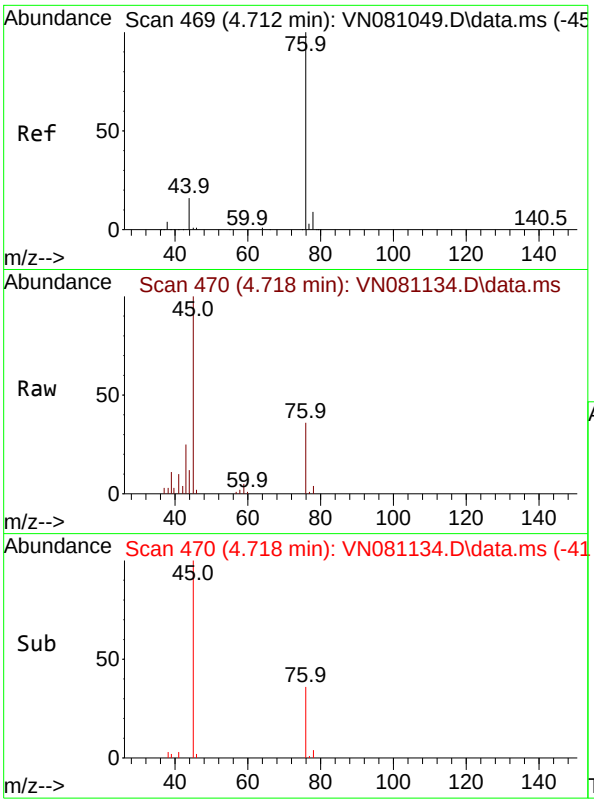


#16
Acetone
Concen: 91.225 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN081134.D
Acq: 22 Feb 2024 14:48

Tgt Ion: 43 Resp: 169925

Ion	Ratio	Lower	Upper
43	100		
58	31.9	24.8	37.2



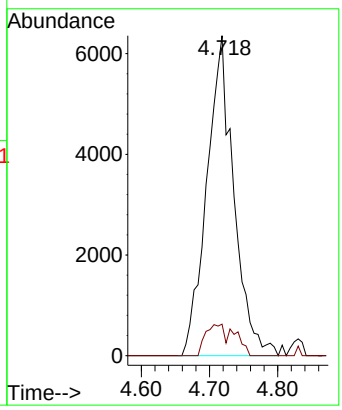


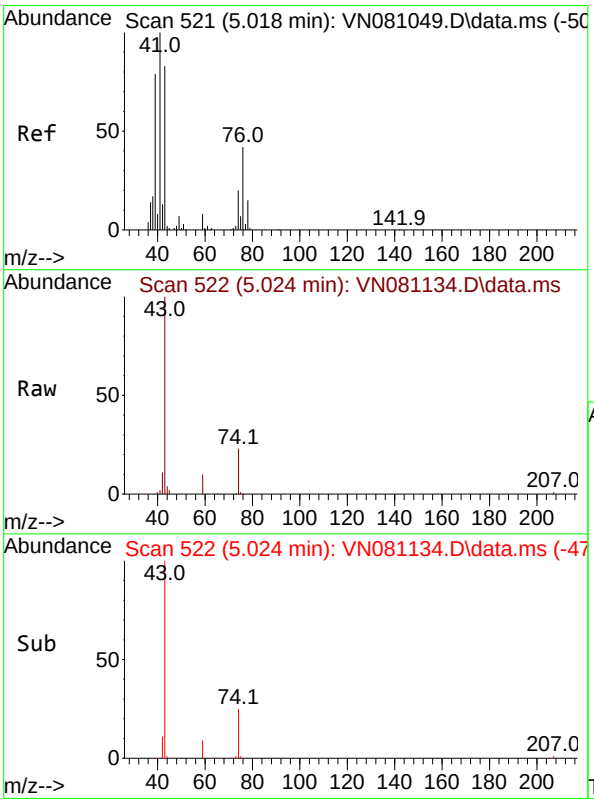
#17
Carbon Disulfide
Concen: 1.438 ug/l
RT: 4.718 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN081134.D
Acq: 22 Feb 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
AUD-1327

Tgt Ion: 76 Resp: 17518

Ion	Ratio	Lower	Upper
76	100		
78	9.8	6.3	9.5#

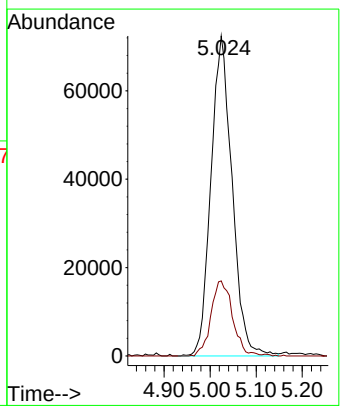


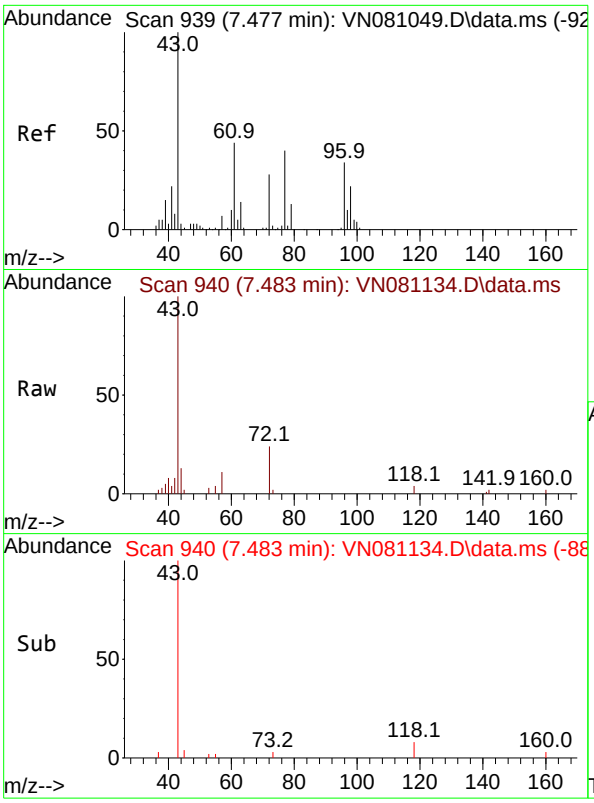


#18
Methyl Acetate
Concen: 50.829 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN081134.D
Acq: 22 Feb 2024 14:48

Tgt Ion: 43 Resp: 230964

Ion	Ratio	Lower	Upper
43	100		
74	23.8	17.3	25.9



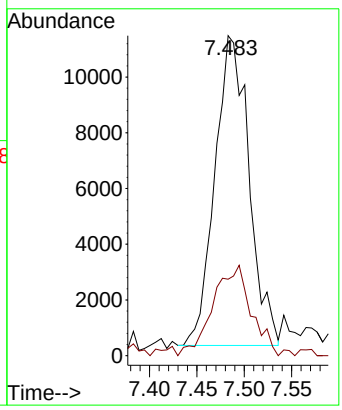


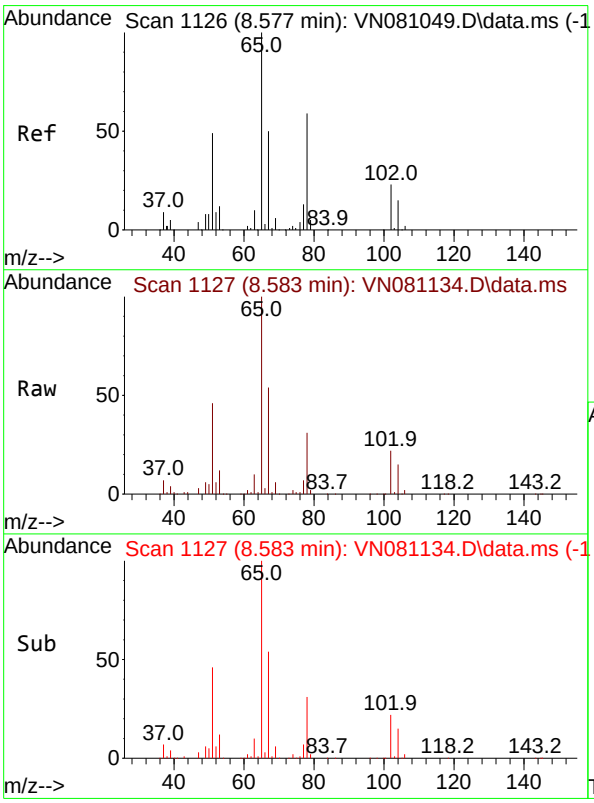
#25
2-Butanone
Concen: 9.272 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN081134.D
Acq: 22 Feb 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
AUD-1327

Tgt Ion: 43 Resp: 27901

Ion	Ratio	Lower	Upper
43	100		
72	24.7	19.5	29.3

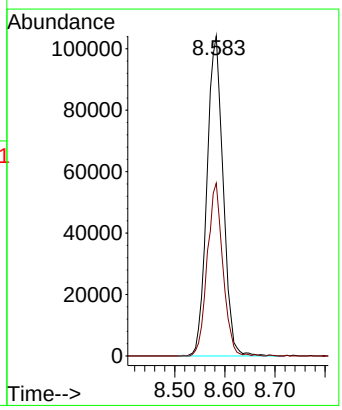


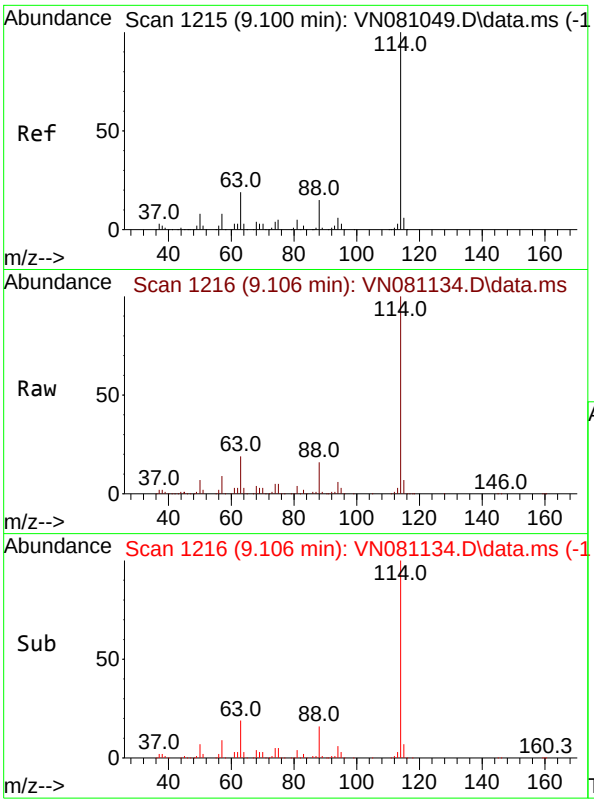


#33
1,2-Dichloroethane-d4
Concen: 49.207 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081134.D
Acq: 22 Feb 2024 14:48

Tgt Ion: 65 Resp: 232945

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	102.4



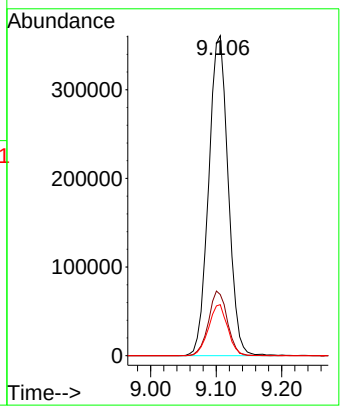


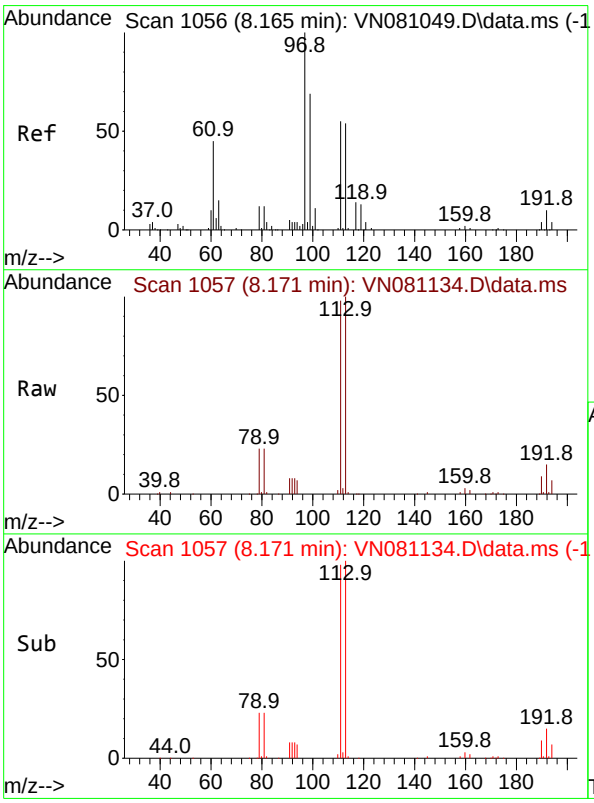
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN081134.D
Acq: 22 Feb 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
AUD-1327

Tgt Ion:114 Resp: 744154

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	48.0
88	16.0	0.0	34.8

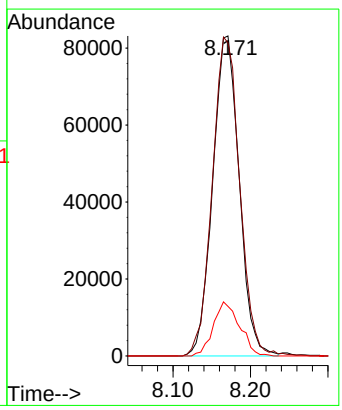


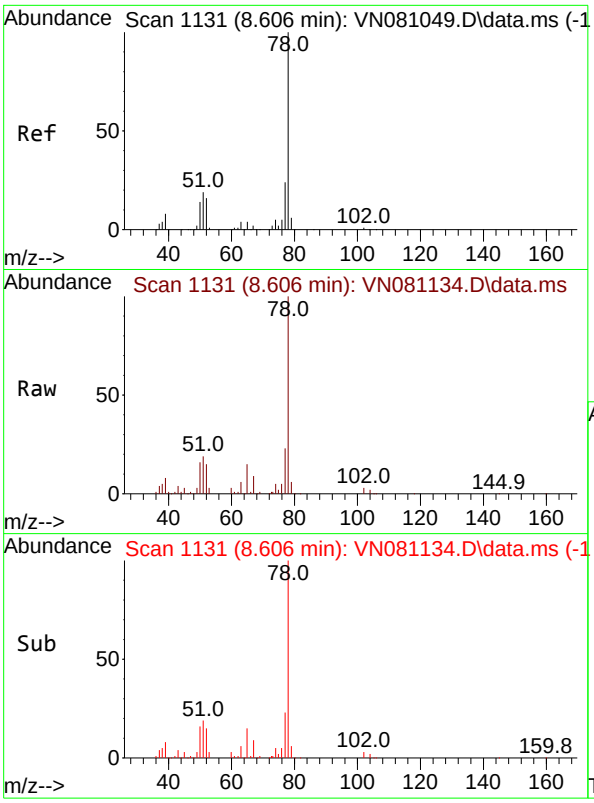


#35
Dibromofluoromethane
Concen: 46.952 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081134.D
Acq: 22 Feb 2024 14:48

Tgt Ion:113 Resp: 197573

Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.4
192	16.8	12.5	18.7



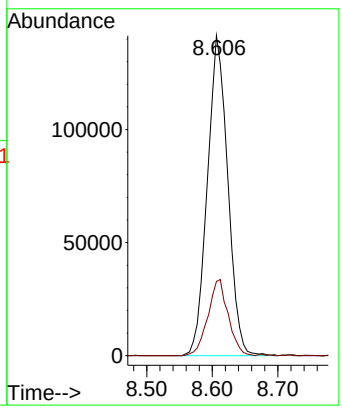


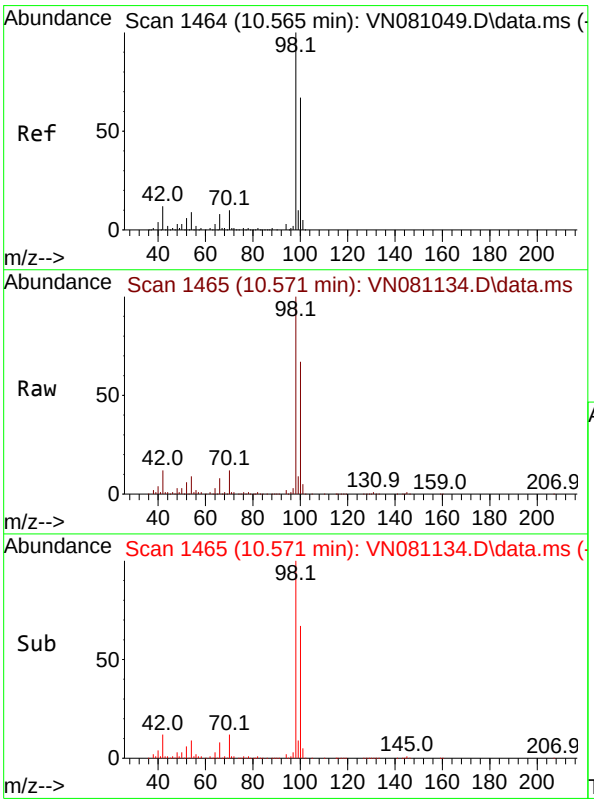
#40
Benzene
Concen: 14.684 ug/l
RT: 8.606 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081134.D
Acq: 22 Feb 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
AUD-1327

Tgt Ion: 78 Resp: 306399

Ion	Ratio	Lower	Upper
78	100		
77	23.2	20.4	30.6

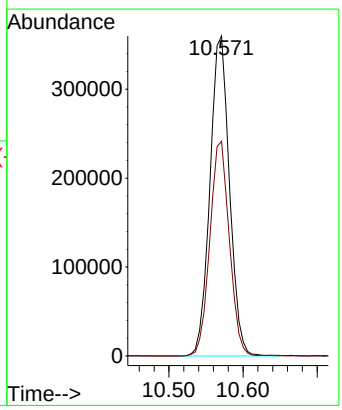


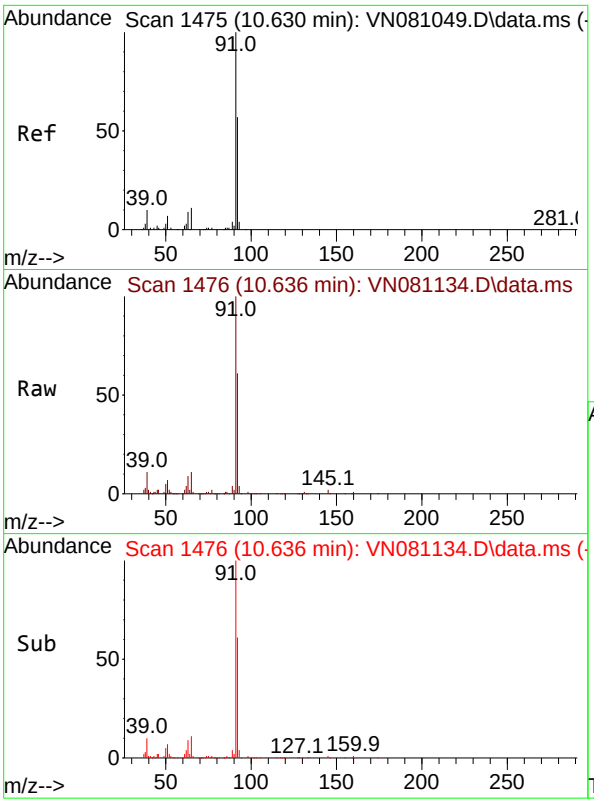


#50
Toluene-d8
Concen: 44.039 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081134.D
Acq: 22 Feb 2024 14:48

Tgt Ion: 98 Resp: 658194

Ion	Ratio	Lower	Upper
98	100		
100	66.9	51.4	77.0



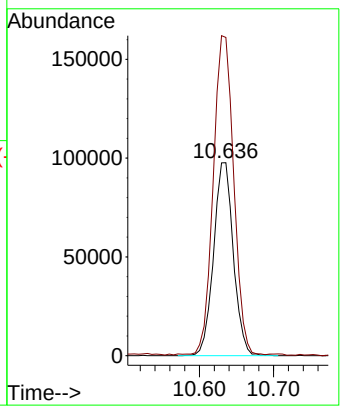


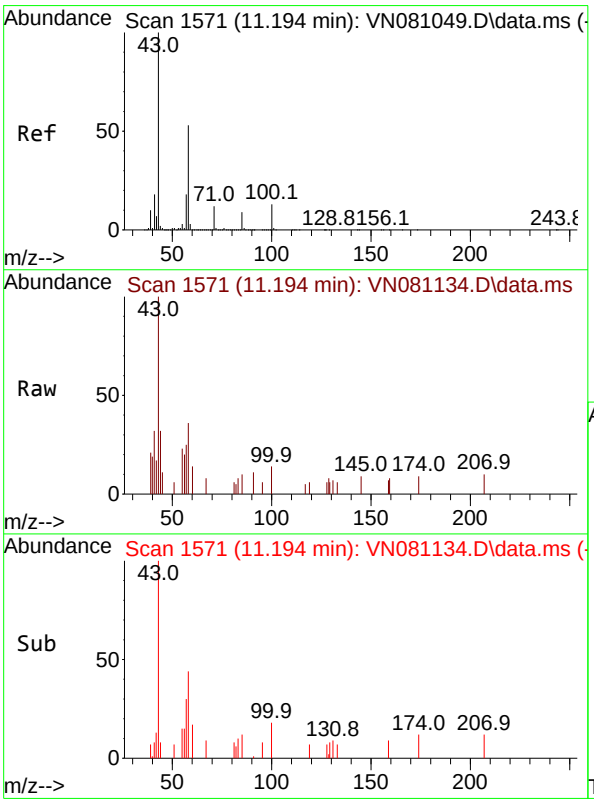
#52
Toluene
Concen: 13.676 ug/l
RT: 10.636 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN081134.D
Acq: 22 Feb 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
AUD-1327

Tgt Ion: 92 Resp: 180657

Ion	Ratio	Lower	Upper
92	100		
91	171.9	139.4	209.0

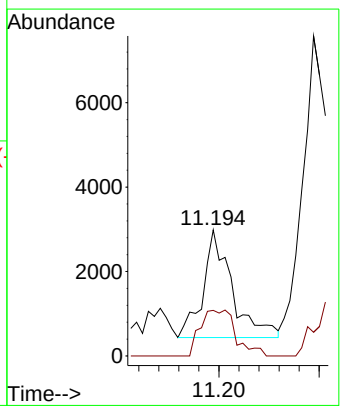


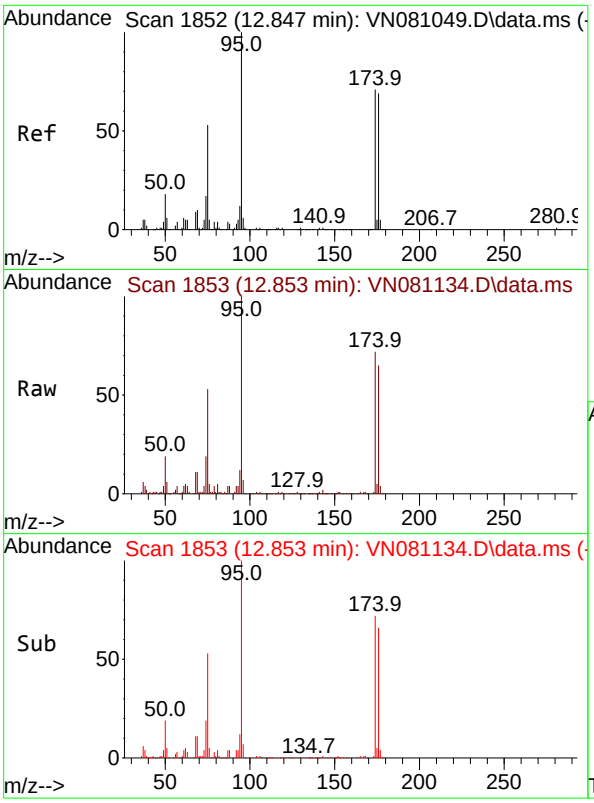


#59
2-Hexanone
Concen: 0.985 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN081134.D
Acq: 22 Feb 2024 14:48

Tgt Ion: 43 Resp: 5113

Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.8



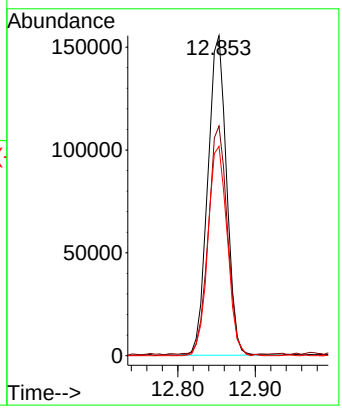


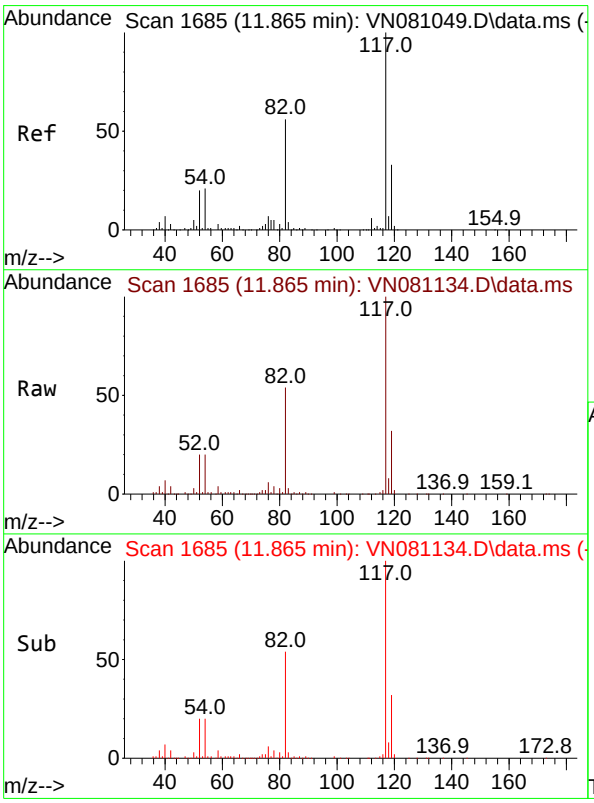
#62
4-Bromofluorobenzene
Concen: 46.550 ug/l
RT: 12.853 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN081134.D
Acq: 22 Feb 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
AUD-1327

Tgt Ion: 95 Resp: 261416

Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	120.4
176	67.6	0.0	121.0

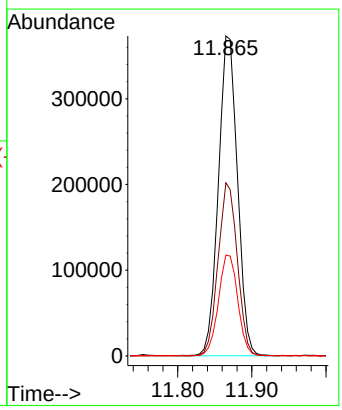


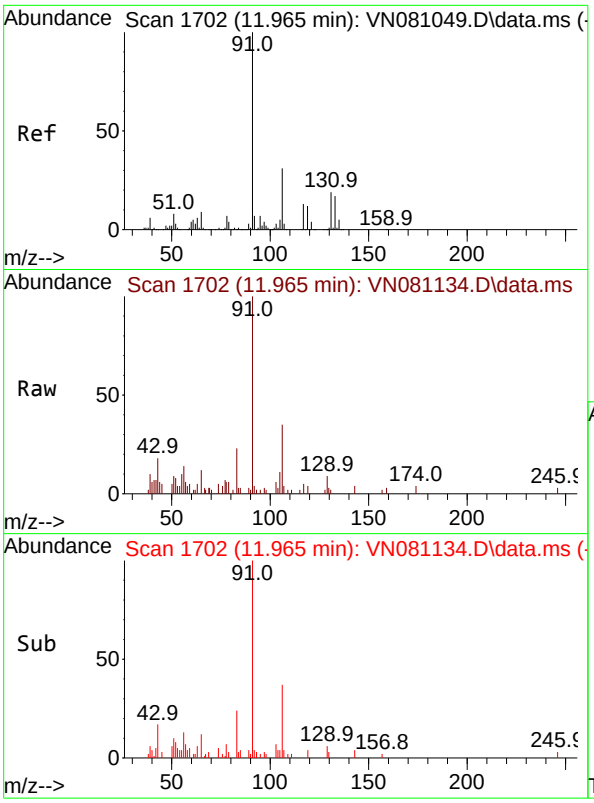


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081134.D
Acq: 22 Feb 2024 14:48

Tgt Ion:117 Resp: 665827

Ion	Ratio	Lower	Upper
117	100		
82	54.1	52.7	79.1
119	31.5	25.3	37.9



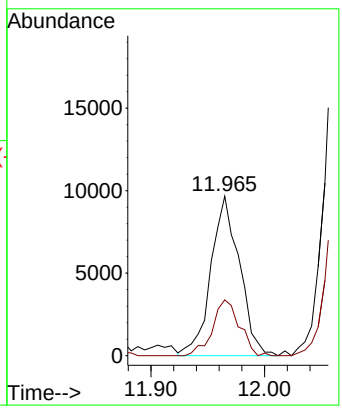


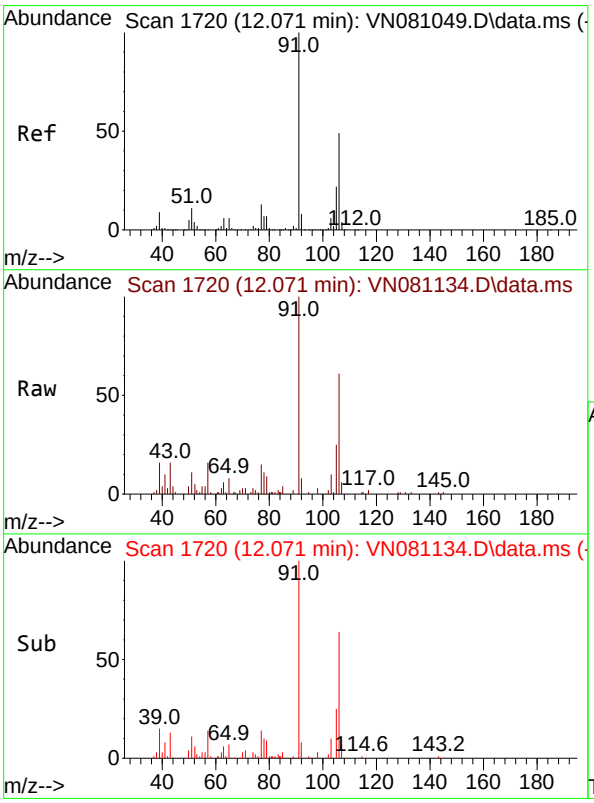
#67
Ethyl Benzene
Concen: 0.658 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN081134.D
Acq: 22 Feb 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
AUD-1327

Tgt Ion: 91 Resp: 16966

Ion	Ratio	Lower	Upper
91	100		
106	35.0	23.8	35.6

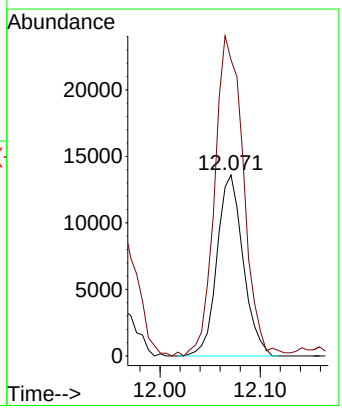


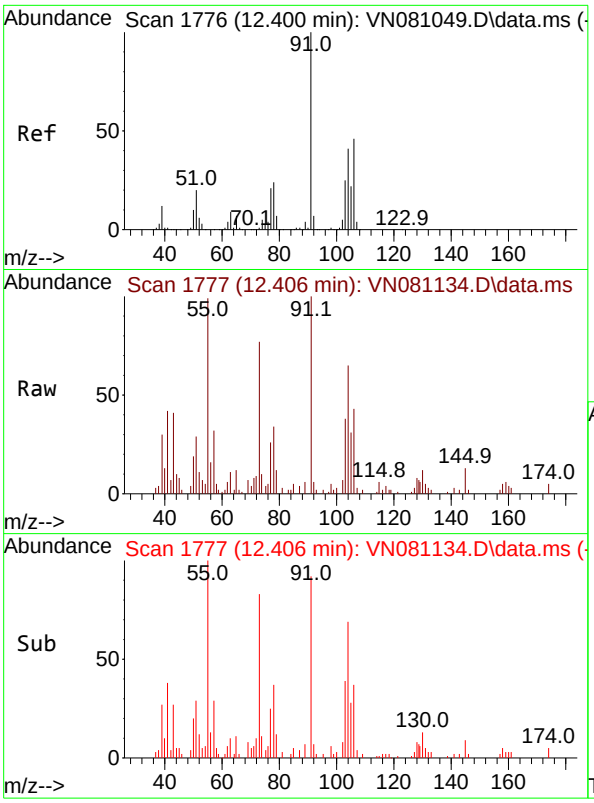


#68
m/p-Xylenes
Concen: 2.490 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN081134.D
Acq: 22 Feb 2024 14:48

Tgt Ion:106 Resp: 24612

Ion	Ratio	Lower	Upper
106	100		
91	194.8	169.0	253.6



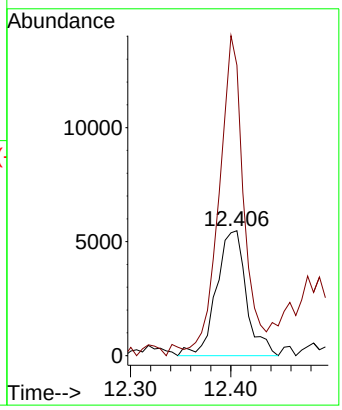


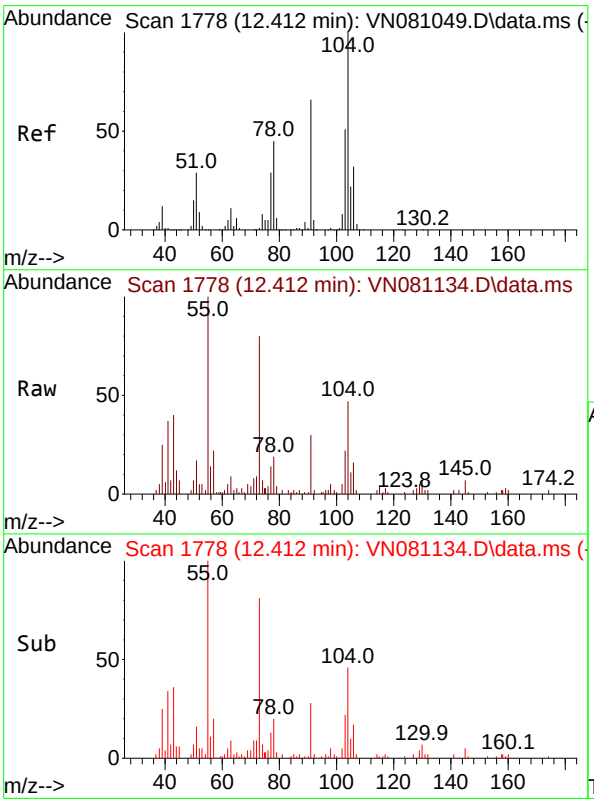
#69
o-Xylene
Concen: 1.158 ug/l
RT: 12.406 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN081134.D
Acq: 22 Feb 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
AUD-1327

Tgt Ion:106 Resp: 11347

Ion	Ratio	Lower	Upper
106	100		
91	200.0	112.1	336.3

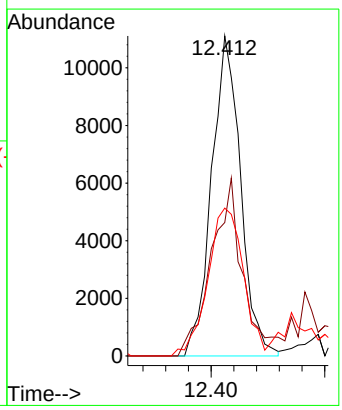


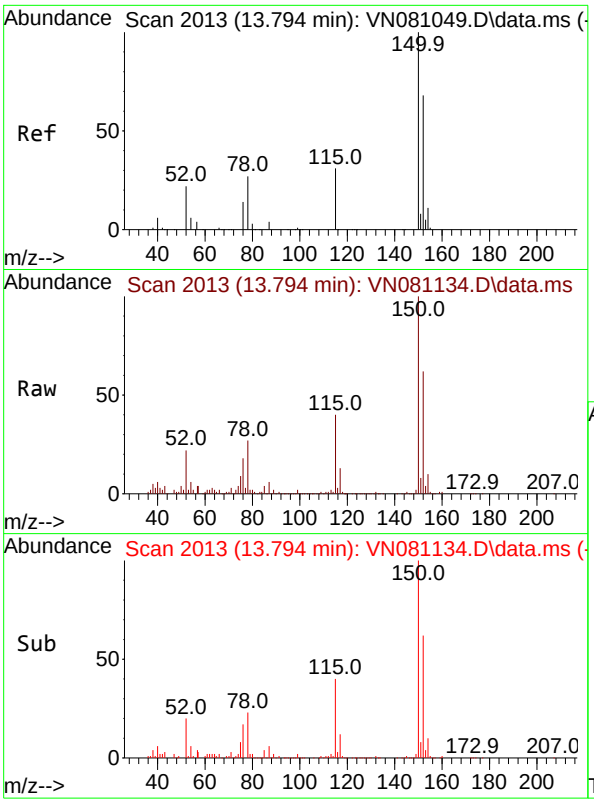


#70
Styrene
Concen: 1.269 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN081134.D
Acq: 22 Feb 2024 14:48

Tgt Ion:104 Resp: 19706

Ion	Ratio	Lower	Upper
104	100		
78	60.2	43.8	65.8
103	56.4	44.2	66.2



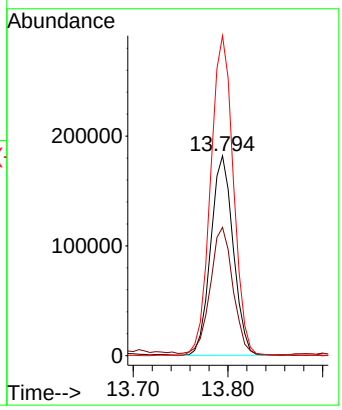


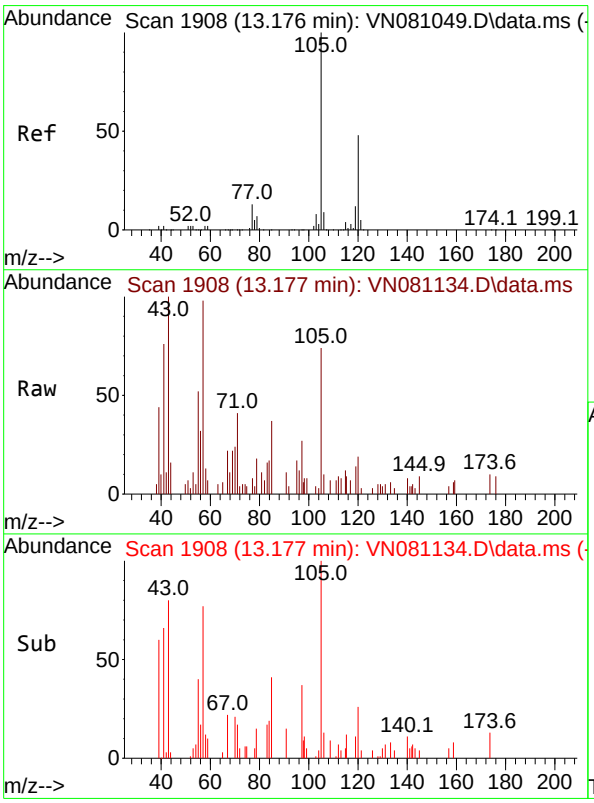
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN081134.D
Acq: 22 Feb 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
AUD-1327

Tgt Ion:152 Resp: 298525

Ion	Ratio	Lower	Upper
152	100		
115	65.2	32.3	96.8
150	163.1	0.0	339.8

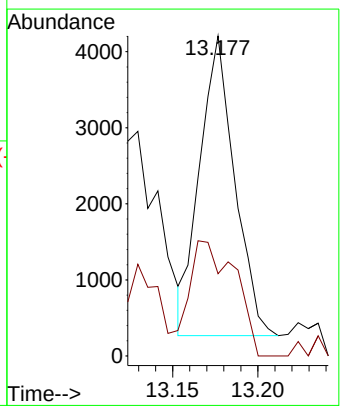


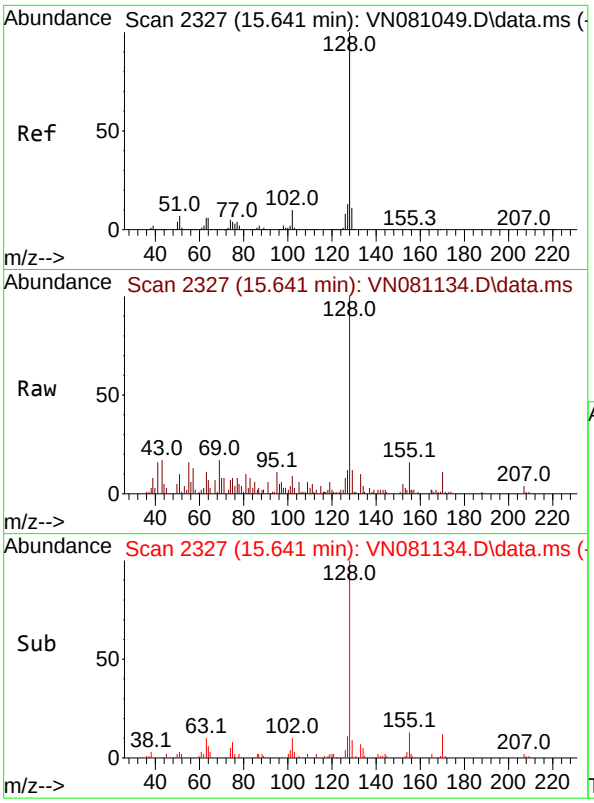


#80
1,3,5-Trimethylbenzene
Concen: 0.265 ug/l
RT: 13.177 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN081134.D
Acq: 22 Feb 2024 14:48

Tgt Ion:105 Resp: 5614

Ion	Ratio	Lower	Upper
105	100		
120	51.0	23.0	69.0





#95
Naphthalene
Concen: 2.120 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN081134.D
Acq: 22 Feb 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :
AUD-1327

Tgt Ion:128 Resp: 46000

Ion	Ratio	Lower	Upper
128	100		
127	15.8	10.0	15.0#
129	14.8	8.7	13.1#